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Old LaSalle Dump  
ILD 984774950  
Superfund/Tech

# CERCLA

## Integrated Assessment



Illinois Environmental  
Protection Agency

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## 1. INTRODUCTION

The Illinois Environmental Protection Agency's (Illinois EPA) Office of Site Evaluation was tasked by the United States Environmental Protection Agency (USEPA) to conduct a CERCLA Expanded Site Inspection at the Old LaSalle Dump located in LaSalle, Illinois. This investigation was conducted to help determine the levels of contamination present at the Old LaSalle Dump and adjacent Huse Lake. The City of LaSalle hopes to develop the Old LaSalle Dump property into a parking lot and to utilize the area of Huse Lake adjacent to the dump as a marina. The U.S. Army Corp of Engineers has proposed dredging Huse Lake as part of a Section 206 wetland restoration project. Congressman Jerry Weller, representing the 11<sup>th</sup> District of Illinois, has been an advocate and supporter of both of these projects. The information gathered during the environmental investigation will be used to determine whether any remediation will be required prior to developing the property and dredging Huse Lake.

In April of 2001, the IL EPA's Office of Site Evaluation prepared and submitted a work plan for the Old LaSalle Dump to the Region V offices of the USEPA. The sampling portion of the Expanded Site Inspection was conducted in two phases. On the week of April 16, 2001 the sampling team collected forty-one sediment samples from Huse Lake and on the week of November 26, 2001 fifty-four soil samples were collected from the Old LaSalle Dump property.

## 2. SITE BACKGROUND

### 2.1 SITE DESCRIPTION

The Old LaSalle Dump is an approximately six-acre inactive dump site located within the annual

floodplain of the Illinois River. The site is legally described as being located in the east half of the northwest quarter of Section 22, Township 33 north, Range 1 east in LaSalle County, Illinois. Surrounding the site on its north, west and south sides is Huse Lake, a backwater lake of the Illinois River. To the east of the site is Route 351 and wetland areas. The City of LaSalle, situated on the bluff of the Illinois River, is approximately one-thousand feet to the north. Approximately eight-hundred feet north of the site is the Illinois and Michigan Canal, a National Historic Landmark. Figures 1 and 2 show the location of the site and Figures 3 and 4 show aerial photographs of the site. A four-mile radius map of the area surrounding the Old LaSalle Dump site and a fifteen-mile surface water drainage map are provided in Figure 8 and Figure 9 of this report, respectively.

When the Old LaSalle Dump was closed, clean fill including bricks, concrete slabs, wood and a wide variety of other construction-type wastes were placed over most of the site. This resulted in a cap which would help prevent human contact with wastes in the dump, but not prevent the infiltration of rainwater and flood waters of Huse Lake. Since the time of the placement of fill, the dump has become well vegetated with trees covering the majority of the property.

## 2.2 Site History

According to a previous CERCLA report, the Old LaSalle Dump was used as a general refuse disposal area for the City of LaSalle from the early 1930's until approximately 1966. While in operation, it is unclear whether the City of LaSalle actually operated the landfill or not, although they were not the owners of the property. The site and adjacent property was owned by a family residing in LaSalle. The property is currently held in a land trust whereby numerous of these

family members hold ownership.

It is believed that during its years of operation a wide variety of residential and industrial wastes were deposited at the Old LaSalle Dump. The LaSalle Electric Utility Company (EUC) disposed of wastes at the site in the 1960's. According to former employees of EUC and a former city official, EUC dumped rejected capacitors containing Polychlorinated Biphenyl (PCB) oil and cleaning solvents into the dump. According to a resident who previously trucked wastes to the landfill, EUC would ship one to two tandem truck loads (ten cubic yards per tandem) of wastes to the Old LaSalle Dump at least once and sometimes twice per week in the early to mid 1960's.

The City of LaSalle closed the dump around 1966 and then allowed people to deposit clean fill over the dump, resulting in a highly permeable cover or cap on the dump. Prior to its use as a dump, the site was a low-lying wetland. Currently, the land is undeveloped and not utilized for any specific purposes, however, the City of LaSalle hopes to build a parking lot on the property in the future.

### 3. EXPANDED SITE INSPECTION ACTIVITIES AND ANALYTICAL RESULTS

#### 3.1 INTRODUCTION

This section outlines the procedures utilized and observations made during the CERCLA Expanded Site Inspection conducted at the Old LaSalle Dump. Specific portions of this section contain information pertaining to the reconnaissance inspection, site representative interviews, and field sampling procedures. Also included in this section is information about the soil and sediment samples that were collected and a description of the analytical results.

### 3.2 RECONNAISSANCE INSPECTION

In April of 2001, Mr. Peter Sorensen of the Illinois EPA's Office of Site Evaluation conducted a reconnaissance inspection of the Old LaSalle Dump. The site reconnaissance included a visual inspection of the former dump area and Huse Lake to become familiar with the property, to identify potential sampling locations, and to survey the surrounding land uses.

The reconnaissance revealed that the Old LaSalle Dump property is an inactive dump area that is approximately six-acres in size located approximately a quarter-mile south of the City of LaSalle. Surrounding the site on its north, west and south sides is Huse Lake, a shallow backwater lake of the Illinois River. On the ground, fill material such as bricks and concrete slabs can be seen throughout the property. Much of the ground is also covered with silt that has been deposited during floods which periodically cover the entire property. An occasional capacitor or capacitor remains were observed at the ground surface. These are especially common along the shore of Huse Lake on the northeastern portion of the property. The property is well vegetated with medium-sized trees, grasses and bushes growing on the majority of the property.

### 3.3 CONVERSATIONS WITH SITE REPRESENTATIVES

Mr. Peter Sorensen of the Illinois EPA's Office of Site Evaluation held conversations with Mrs. Pam Broviak, City Engineer representing the City of LaSalle, and Mr. John Duncan, representing the family trust that owns the Old LaSalle Dump property. During these conversations, the upcoming sampling event at the Old LaSalle Dump was discussed and the CERCLA Expanded Site Inspection process and the specifics concerning the sampling activities of the upcoming

sampling event were explained. In October of 2001, an access letter was sent from the Illinois EPA to Mr. John Duncan to confirm the sampling event and offer the opportunity to split samples. Mr. Duncan verbally agreed to allow the sampling team access to the property and did not desire to split samples with the Illinois EPA.

### 3.4 SEDIMENT SAMPLING

Forty-one sediment samples were collected from Huse Lake in April of 2001 to help determine whether contaminants have migrated from the Old LaSalle Dump into the lake. These samples were analyzed for the complete Target Compound List (see Appendix C) with the exception of volatiles. Thirty sediment samples were collected from the top-foot of sediment and eleven were collected from a depth of 2 ½ to 3 ½ feet of sediment. The locations of the sediment samples can be seen on Figures 6 and 7. The complete analytical results from the sediment samples can be seen in Table 4 and a summary showing the PCB results can be seen in Table 6. All sediment samples were collected using hand-augers which were used by the sampling team while in a small john-boat.

### 3.5 SOIL SAMPLING

Fifty-four soil samples were collected from the Old LaSalle Dump property in November of 2001 to help determine whether contamination exists at the former dump area which could pose a hazard to human health or the environment. These samples were analyzed for the complete Target Compound List (see Appendix C) with the exception of volatiles.

The soil samples were collected with the aid of a backhoe which was used to dig pits at twenty-six locations throughout the property. The majority of these pits were dug to a depth where they reached native soils underlying the waste materials of the dump. The locations of these pits can be seen in Figure 5. Native soils ranged in depth from six feet to seventeen feet with the majority of the pits encountering native soils in the nine to twelve foot range. In the majority of the pits, a soil sample was collected from the underlying native soil layer to determine whether contamination from the wastes above had migrated into the underlying soils. Within most pits, another soil sample was collected from various depths within the wastes of the dump. Table 2 describes what was found in each pit and the depth at which groundwater and native soils were encountered. The complete analytical results from the soil samples can be seen in Table 3 and a summary of the PCB and dioxin results can be seen in Table 5.

#### 4. IDENTIFICATION OF SOURCES

##### 4.1 INTRODUCTION

This section will briefly discuss the hazardous waste source which has been identified through CERCLA site investigation process.

##### 4.2 Landfill

The Old LaSalle Dump is approximately six-acres in size and was used as a general refuse disposal area from the early 1930's until around 1966. During this time, the site was used as a dump area for a variety of wastes which were burned on-site (Figure 4 shows an aerial photograph of the site at a time when burning was occurring). During the 1960's, LaSalle's

Electric Utility Company used the dump as a disposal area for rejected capacitors and cleaning solvents. The capacitors contained oil which had PCBs in it and these were burned with the rest of the refuse at the site. In 1966, a highly-permeable cap was placed on the dump consisting of bricks, concrete and a variety of other construction materials. There is no engineered liner underlying the dump, however, the native soils beneath the dump appear to consist of a fairly tight silty, clay which could possibly act as a barrier for contaminants located in the dump.

During the sampling event conducted in November of 2001, a backhoe was utilized to dig twenty-six pits throughout the property. As mentioned earlier, most of these were dug to a depth of the native soil underlying the dump. By digging these pits, a very good idea of what was located throughout the dump was gathered. Much of the property has a layer of bricks and concrete, which were used as the cap, along with an abundance of silty soil which has been deposited as a result of the flooding of Huse Lake. Underlying this top layer is the wastes which were deposited in the dump. This waste layer consists mainly of a cindery material left from the burning at the site and varies in depth from the ground surface to seventeen feet. Table 2 provides a description the depths and types of wastes encountered in each test pit. The cinders contain the remains of glass bottles and capacitors. The capacitors were located at locations throughout the dump but were mainly found within the top five feet of soil. In some test pits they were very abundant while in other pits only a small number or no capacitors were found.

As mentioned earlier, fifty-four soil samples were collected from the Old LaSalle Dump to help determine the level of contamination that exists at the site. Although some other contaminants

were found at some sample locations, the contaminants of concern are PCBs and dioxins. The presence of PCBs are the result of the capacitors that were disposed of at the site. Dioxins are created when PCBs are burned and the dioxins found on-site were most likely produced by the burning of the capacitors at the dump. The following table lists the number of samples that were found to contain PCBs at various levels:

|               |    |
|---------------|----|
| 0 – 15 ppm    | 33 |
| 15 – 50 ppm   | 6  |
| 50 – 100 ppm  | 5  |
| 100 – 200 ppm | 4  |
| 200 – 300 ppm | 2  |
| over 1000 ppm | 4  |

The four samples with the highest concentrations of PCBs were all found in the center to western portions of the former dump area at a depth of five feet or less. These four samples are highlighted in yellow on Figure 5. The complete analytical results of the samples collected in the Old LaSalle Dump can be seen in Table 3 and Table 5 with the locations of the samples being shown in Figure 5.

## 5. MIGRATION PATHWAYS

### 5.1 INTRODUCTION

The CERCLA Site Assessment Program identifies three migration pathways and one exposure pathway by which hazardous substances may pose a threat to human health and/or the environment. Consequently, sites are evaluated on their known or potential impact to these four pathways. The pathways evaluated are groundwater migration, surface water migration, air migration and soil exposure. The following section discusses these pathways and the site's impact or potential impact on them and on the various human and environmental targets. These targets include human populations, fisheries, endangered species, wetlands and other sensitive environments.

### 5.2 Groundwater Pathway

The local geology of the Old LaSalle Dump area is characterized by Wisconsin glacial till overlying, and being interconnected with, the bedrock. The bedrock consists of fractured Silurian and Ordovician-aged dolomites and shales and St. Peter Sandstone. An aquifer system consisting of sand and gravel, limestone and sandstone is the supplier of private and municipal drinking water within a four-mile radius of the site.

The cities of LaSalle and Peru both have municipal wells located within one-and-a-half miles of the site (Figure 8 shows the locations of these wells). LaSalle's four municipal wells are located approximately one-and-a-half miles east of the site and receive their water from a depth of sixty to seventy feet in the alluvial deposits of the Illinois River. No confining geological layers exist

above this aquifer to effectively prevent contaminants from above from entering the aquifer.

Despite this, the LaSalle's drinking water supply is currently not thought to be in danger due to the facts that their wells are located over a mile away from the site and that the groundwater beneath the Old LaSalle Dump flows directly into Huse Lake.

Peru's three municipal wells are located approximately one-and-a-half-miles west of the site and receive their water from a depth of 2,591 to 2,764 in the St. Peter Sandstone. Overlying this aquifer is an approximately 180 foot thick confining layer of Maquoketa Shale which acts as a barrier for contaminants from above from entering the aquifer. Due to this, the distance of these wells from the site and the movement of groundwater beneath the Old LaSalle Dump into Huse Lake, Peru's drinking water supply is not thought to be in danger of receiving contaminants from the site.

Due to the fact that neither LaSalle or Peru's water supplies are thought to be at danger from contaminants present at the Old LaSalle Dump, no groundwater samples were collected during the November, 2001 sampling event.

As mentioned earlier, after the dump was closed a layer of bricks, concrete and other construction materials was placed over the surface of the site, creating a permeable cap over the dump. This allows rainwater to infiltrate the dump and thus potentially carry contaminants from in the dump down into the underlying groundwater. Groundwater at the site is found at a very shallow depth. During the November, 2001 sampling event at the site twenty-six pits were dug at the site to gain

access to soil sampling locations. The majority of these pits were dug to a depth that they hit groundwater which was found to vary from a depth of five to fourteen feet. Table 2 provides information on the depth of groundwater at each test pit. At most locations, the groundwater was encountered within the wastes of the dump. Because of the shallow depth of groundwater, the levels of contamination within the dump, and the proximity of Huse Lake, the movement of contaminated groundwater into Huse Lake is of concern.

### 5.3 Surface Water Pathway

The CERCLA Site Assessment process looks at potential human and environmental targets along a 15-mile surface water target distance route from the site. The Old LaSalle Dump is located within the annual floodplain of the Illinois River and is surrounded on its north, west and south sides by Huse Lake, a back water lake of the Illinois River. Huse Lake is very shallow, usually only containing a few feet of water in it. Both surface water and groundwater drainage from the site enters Huse Lake and then flows west for half-a-mile and enters the Illinois River, where it then flows west. The 15-mile target distance route for drainage from the Old LaSalle Dump can be seen in Appendix B.

Along this surface water route, both Huse Lake and the Illinois River are utilized by people for fishing and for other recreational purposes. In addition, the Illinois Department of Natural Resources records indicate that several sensitive environments exist along the 15-mile surface water pathway. Located approximately 13 miles downstream of the site is the Spring Lake Heron Colony. Additionally, two wildlife refuges, the 1700-acre Lake DePue Fish and Wildlife Area and

the 664-acre Donnelly Wildlife Management Area, exist along the surface water route. Approximately 27 miles of total wetland frontage exists along the 15-mile surface water route (counting frontage on both sides of the Illinois River). Illinois EPA records do not document the existence of any surface water drinking intakes along the 15-mile surface water route. Having mentioned these potential targets downstream of the site, based upon the low levels of contamination found in the sediment samples at locations away from the dump, it is not believed that contamination from the Old LaSalle Dump has impacted any other waterways than Huse Lake.

Forty-one sediment samples were collected from Huse Lake in April of 2001 to help determine whether contaminants have migrated from the Old LaSalle Dump into the lake. Thirty of these samples were collected from the top-foot of sediment and eleven were collected from a depth of 2  $\frac{1}{2}$  to 3  $\frac{1}{2}$  feet of sediment. The locations of the sediment samples can be seen on Figures 6 and 7 and the analytical results can be seen in Table 4 and Table 6.

The contaminant of concern which was found in the Huse Lake sediments was PCBs. At other sites in the U.S. where sediments have been contaminated by PCBs, the U.S. EPA has established a cleanup goal of the sediments to one part per million (1 ppm) average in surface sediments. This report will discuss the levels of PCBs found in the Huse Lake sediments in comparison to this cleanup goal of 1 ppm. It should be made clear, however, that at this time a cleanup goal for Huse Lake has not been determined and may vary from this 1 ppm value.

As mentioned previously, the sediment of Huse Lake were collected at two depths: the top foot and from a depth of 2  $\frac{1}{2}$  to 3  $\frac{1}{2}$  feet. In the top foot of sediment, the areas of Huse Lake with a greater than 1 ppm average PCB levels are located on the portions of the lake to the north and west of the dump area. Figure 10 shows the levels of PCBs found in the shallow sediments of Huse Lake with an outline showing the approximate areas that exceeded 1 ppm of PCBs on average. For ease of reading, a copy of Figure 10 is shown on the following page of this report. It appears that the areas south of the dump as well as the majority of Huse Lake away from the dump do not contain PCBs at levels exceeding 1 ppm on average.

In the sediment collected at the 2  $\frac{1}{2}$  to 3  $\frac{1}{2}$  foot levels, the areas of Huse Lake with a greater than 1 ppm average PCB levels are located in a limited area along the north edge of the former dump. Figure 11 shows the levels of PCBs found in the deeper sediments of Huse Lake with an outline showing the approximate areas that exceeded 1 ppm of PCBs on average. A copy of Figure 11 is shown two pages following this one.

Huse Lake is used as a fishing location for local residents. A trait of PCBs is that they have the potential to bioaccumulate in fish. One factor that could potentially decrease this accumulation is the fact that Huse Lake periodically goes completely dry. Because of this, the local fish need to migrate into the Illinois River, which decreases their exposure to the Huse Lake sediments. At this time, no fish studies have been conducted to determine whether fish in the lake have taken up contamination from the sediments and would pose a threat to humans or animals that eat the fish. Based upon the elevated levels of PCBs which were found in the lake sediments, the Illinois

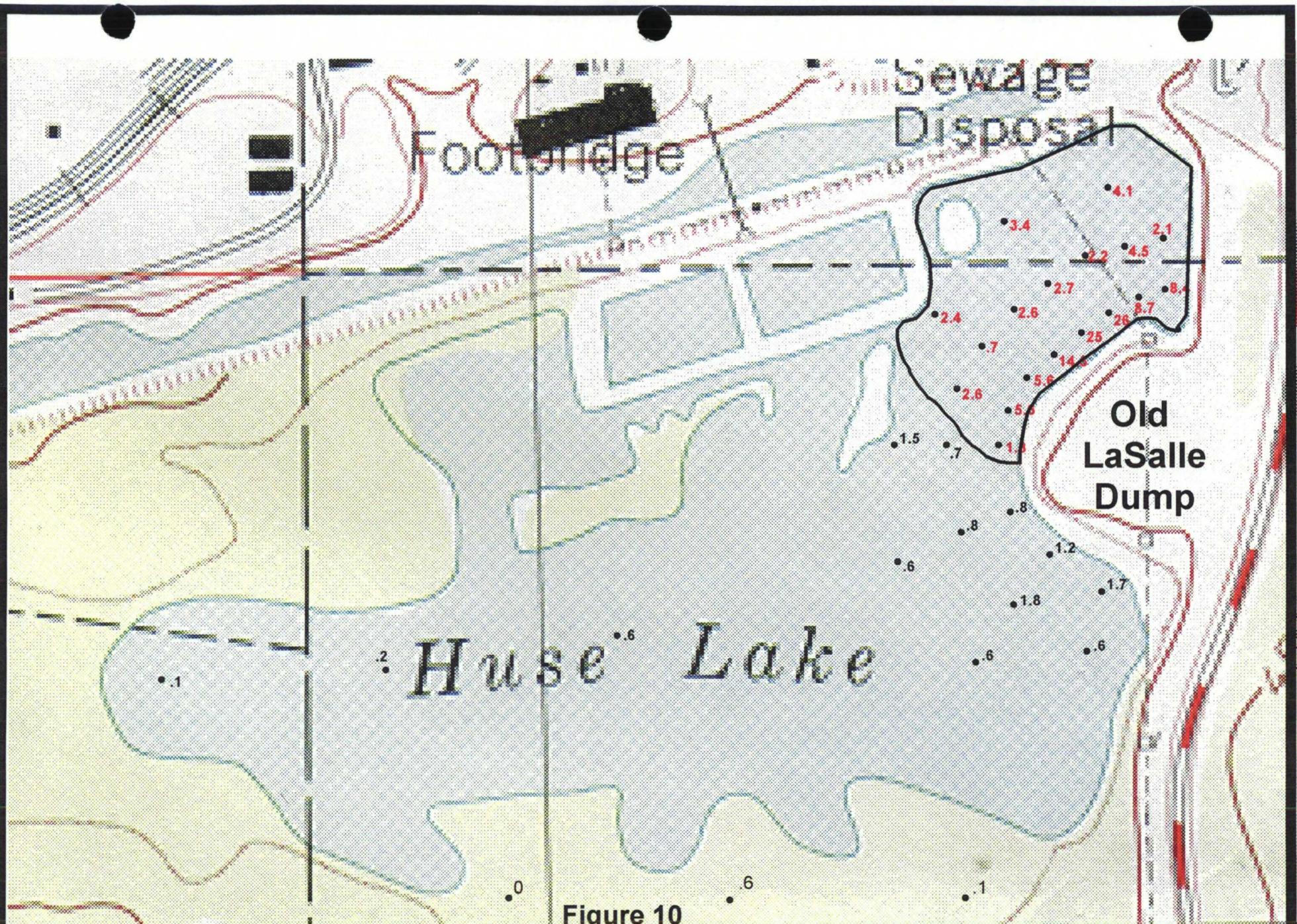


Figure 10

### Shallow Sediment PCB Levels

Collected in top foot  
of sediment.

Area outlined shows approximate  
areas where average  
PCB levels exceed 1ppm.

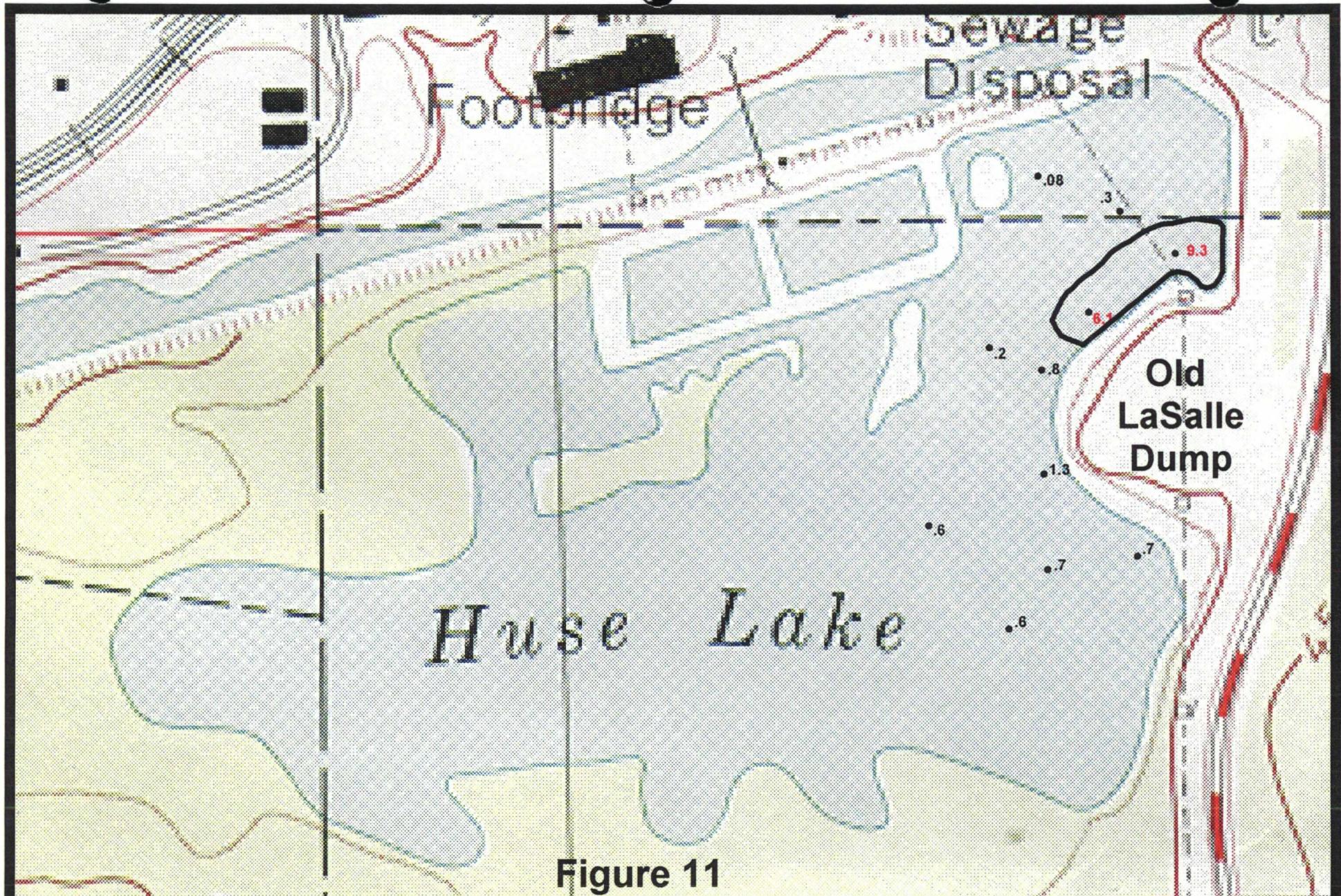


Figure 11

Area outlined shows approximate areas where average PCB levels exceed 1ppm

Department of Public Health recommends that fish in Huse Lake be tested for PCB levels to determine whether a fish advisory should be put into place for the lake.

#### 5.4 Air Pathway

It is not believed that the air migration pathway is of concern at this time. The vast majority of the contamination present at the site is buried under a layer of construction debris and silt brought in from floods. The potential for windblown particulates to carry contamination off-site exists, however, the site is well vegetated which reduces this potential. In addition to this, the site is located far away from any residential areas which could be impacted. For these reasons, and the fact that no complaints have been received regarding the affect of the site on air quality, the air migration pathway is not currently of concern.

#### 5.5 Soil Exposure

People are occasionally on the Old LaSalle Dump property as they utilize it as an area to fish in Huse Lake from. In addition, the remains of campfires and the presence of discarded soda and beer cans were observed on the property indicating that it is occasionally utilized for recreational activities. The nearest residences are located a little over a quarter-mile to the north of the site in LaSalle.

Fifty-four soil samples were collected from the Old LaSalle Dump property in November of 2001. These were analyzed for the Target Compound List (with the exception of volatiles) with six samples also being analyzed for dioxins. All of these samples were collected from test pits below

the ground surface. Many of the samples indicated the presence of PCBs and dioxins at levels that would be of a human health concern if they were located at the ground surface. However, since the samples were collected several feet below the ground surface the analytical results can not be appropriately compared human health benchmarks.

To determine whether people using the site may be exposed to hazardous levels of contaminants, surficial soil data is needed. Because of this, data gathered from a 1996 CERCLA sampling event at the site will be quickly discussed here. During this sampling event, nine surficial soil samples were collected at the site. The table below shows the Total PCB levels that were found in these samples.

| Sample Number       | S1  | S2  | S3  | S4              | S5  | S6  |
|---------------------|-----|-----|-----|-----------------|-----|-----|
| Total PCBs<br>(ppm) | .17 | .06 | .39 | not<br>detected | 3.5 | 1.7 |

At other locations considered recreational properties in the U.S. where surficial soil has been contaminated by PCBs, the U.S. EPA has established a cleanup goal 10 ppm PCB average in the top foot of soil. As can be seen in the table above, none of the surficial soils exceeded this guideline. Again, it should be noted that no surficial PCB cleanup have been established for the Old LaSalle Dump, thus the cleanup goal of 10 ppm is just being used as a comparison value for discussion.

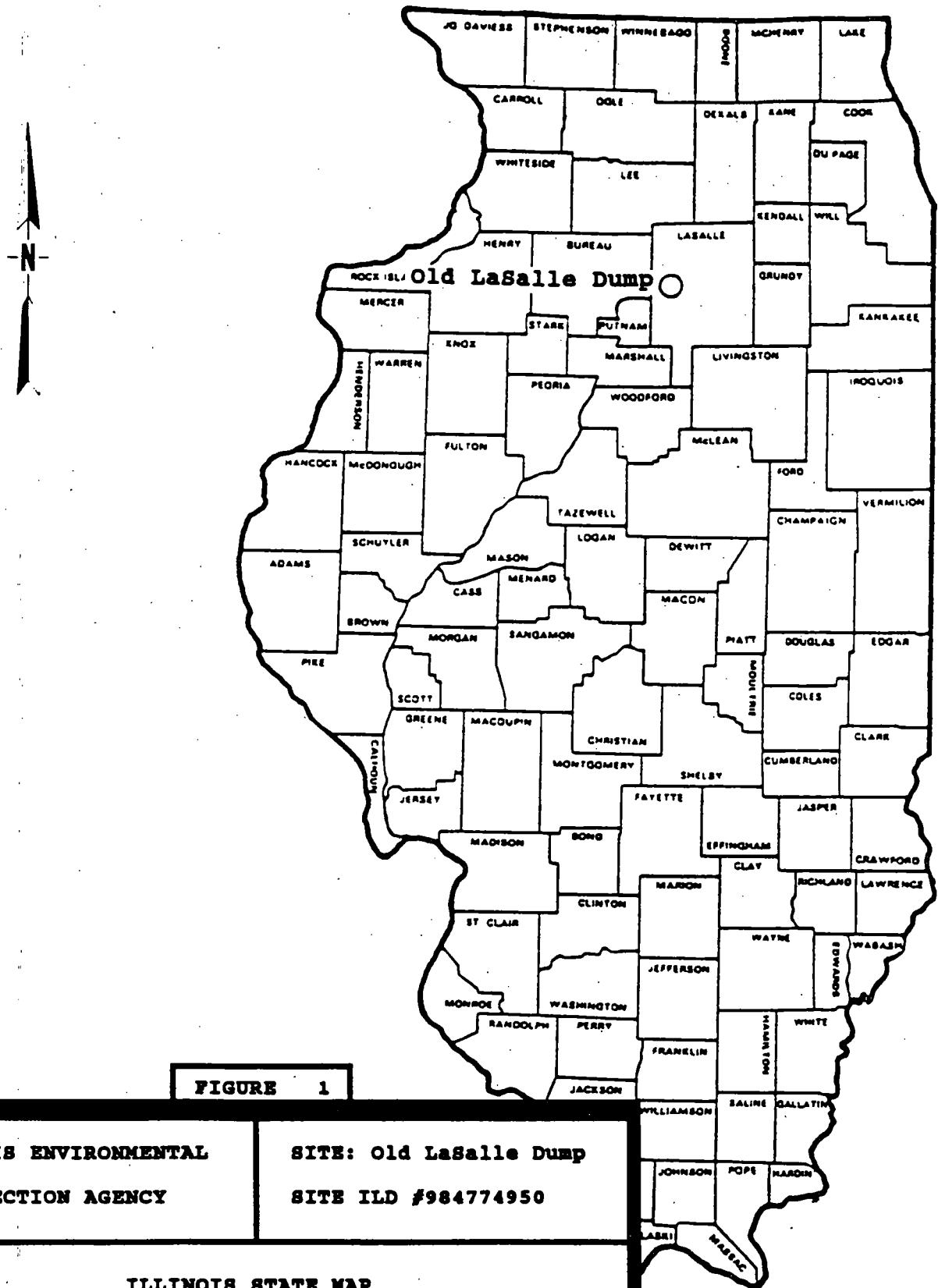
Based upon limited surficial soil information, it appears that the majority of the contamination at the site is located below the ground surface rather than on the surface where people could

potentially be exposed to it. Because this information is limited, the Illinois Department of Public Health has recommended additional surficial sampling to help determine if any risk exists at the site for occasional users of the property.

## **Appendix A**

### **Figures**

## SITE LOCATION



**FIGURE 1**

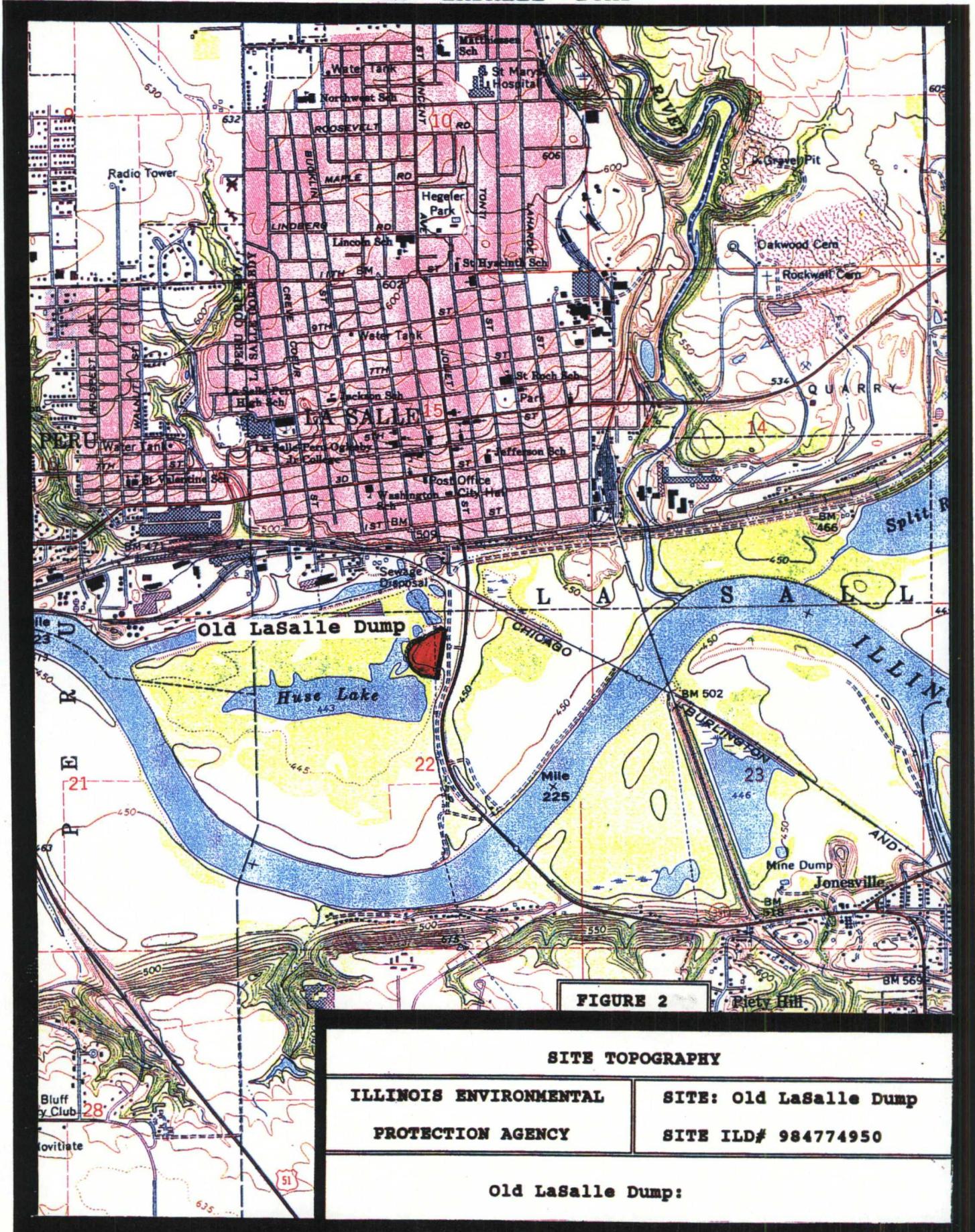
**ILLINOIS ENVIRONMENTAL  
PROTECTION AGENCY**

**SITE: Old LaSalle Dump**

## ILLINOIS STATE MAP

**LEGEND:**       Site Location

**SITE TOPOGRAPHY  
OLD LASALLE DUMP**





SOURCE: IDOT, 1992. AERIAL PHOTOGRAPH.

APPROXIMATE SCALE: 1" = 200 FEET

1988 AERIAL PHOTOGRAPH



FIGURE 3



SOURCE: IDOT, 1992. AERIAL PHOTOGRAPH.

APPROXIMATE SCALE: 1" = 200 FEET



1958 AERIAL PHOTOGRAPH

FIGURE 4

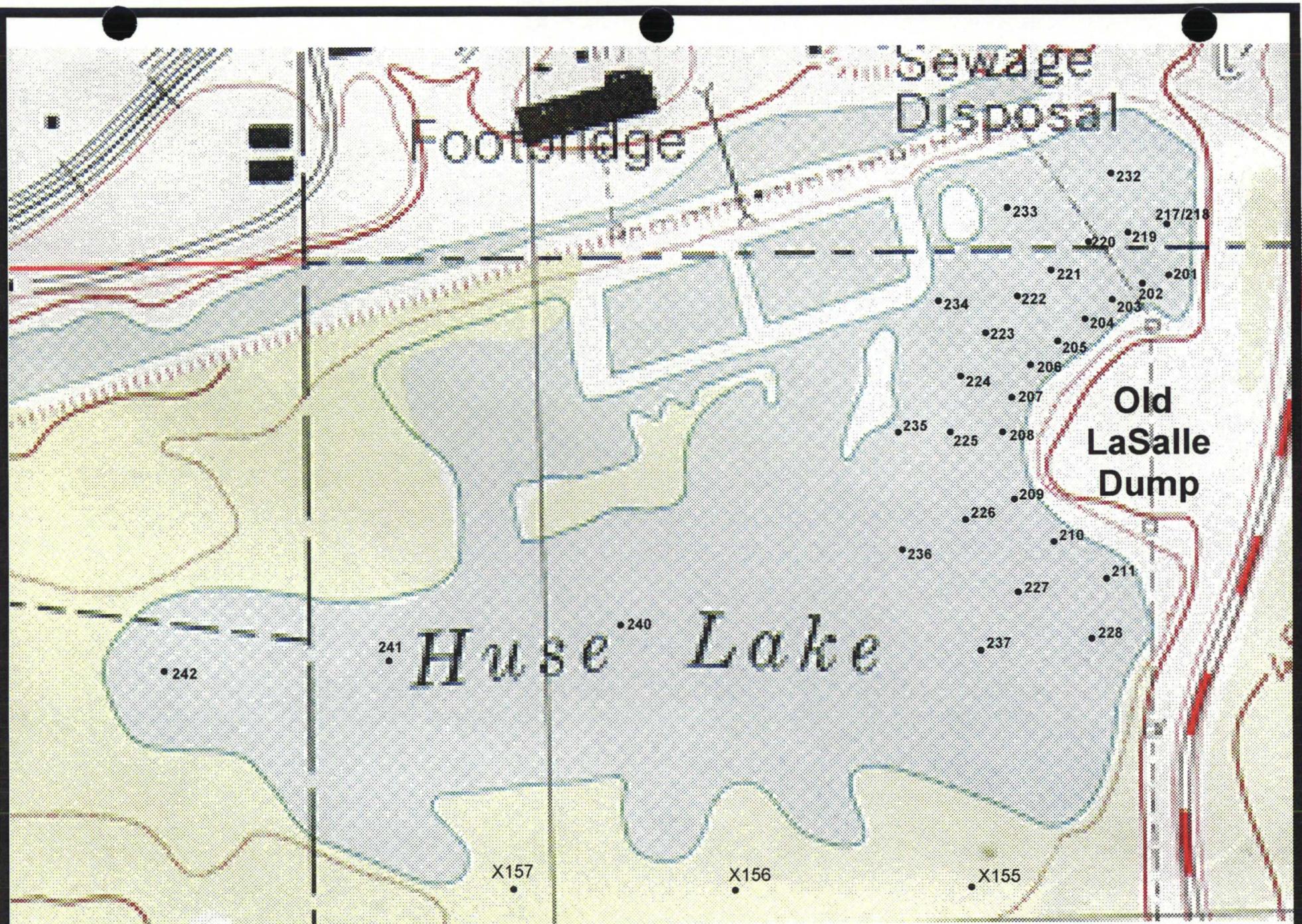


Figure 5  
Shallow Sediment  
Sample Locations

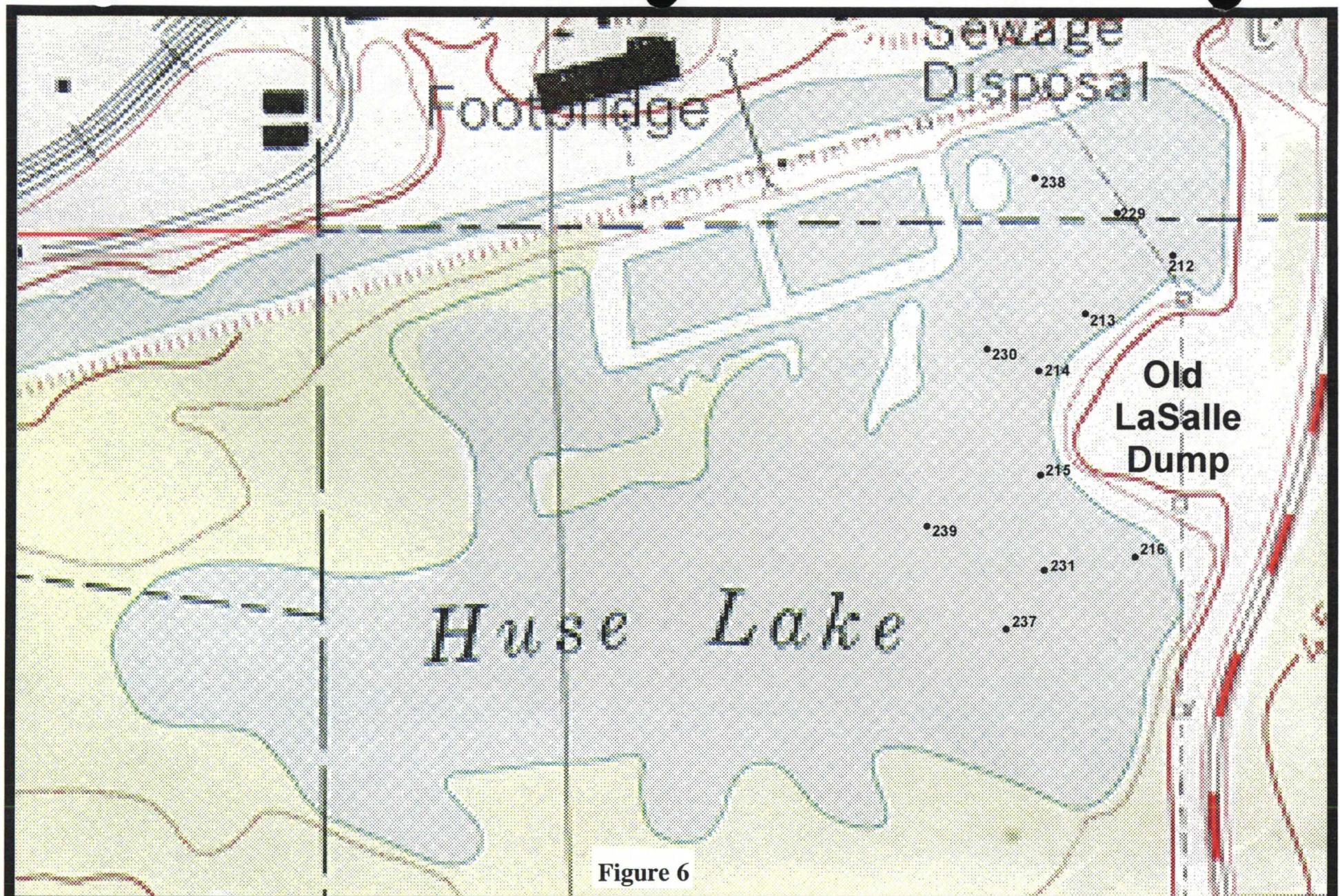


Figure 6

Deep Sediment  
Sample Locations

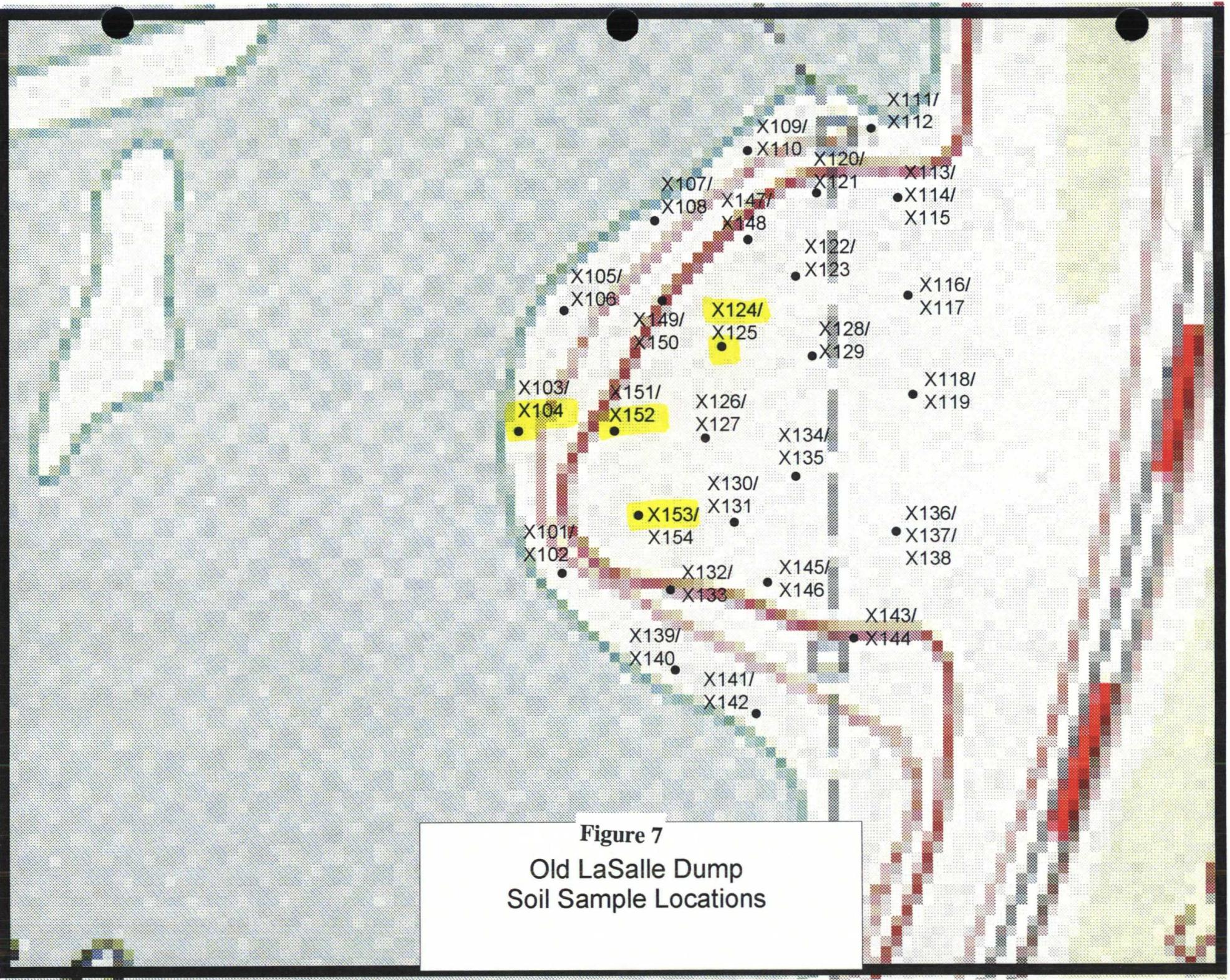
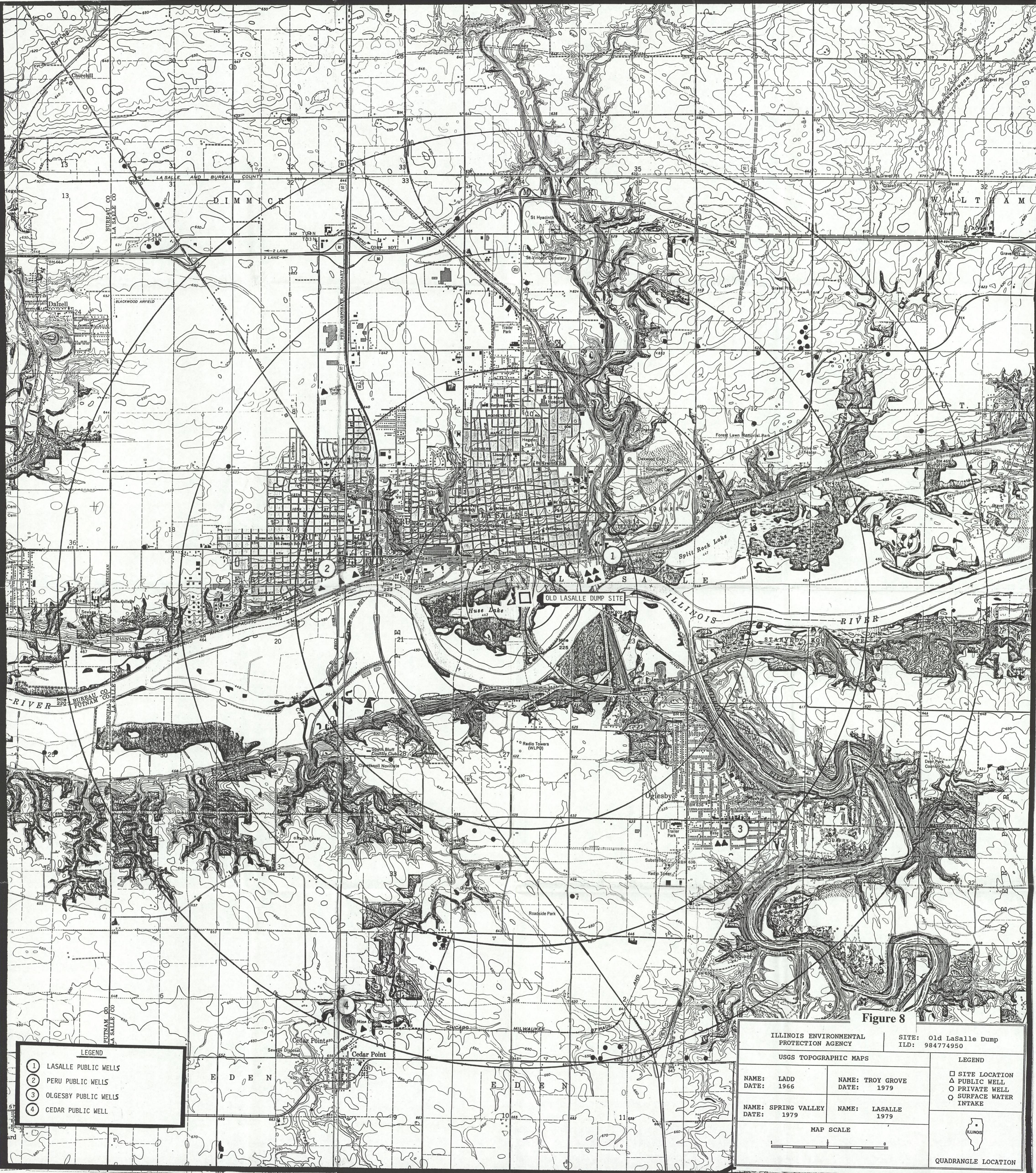
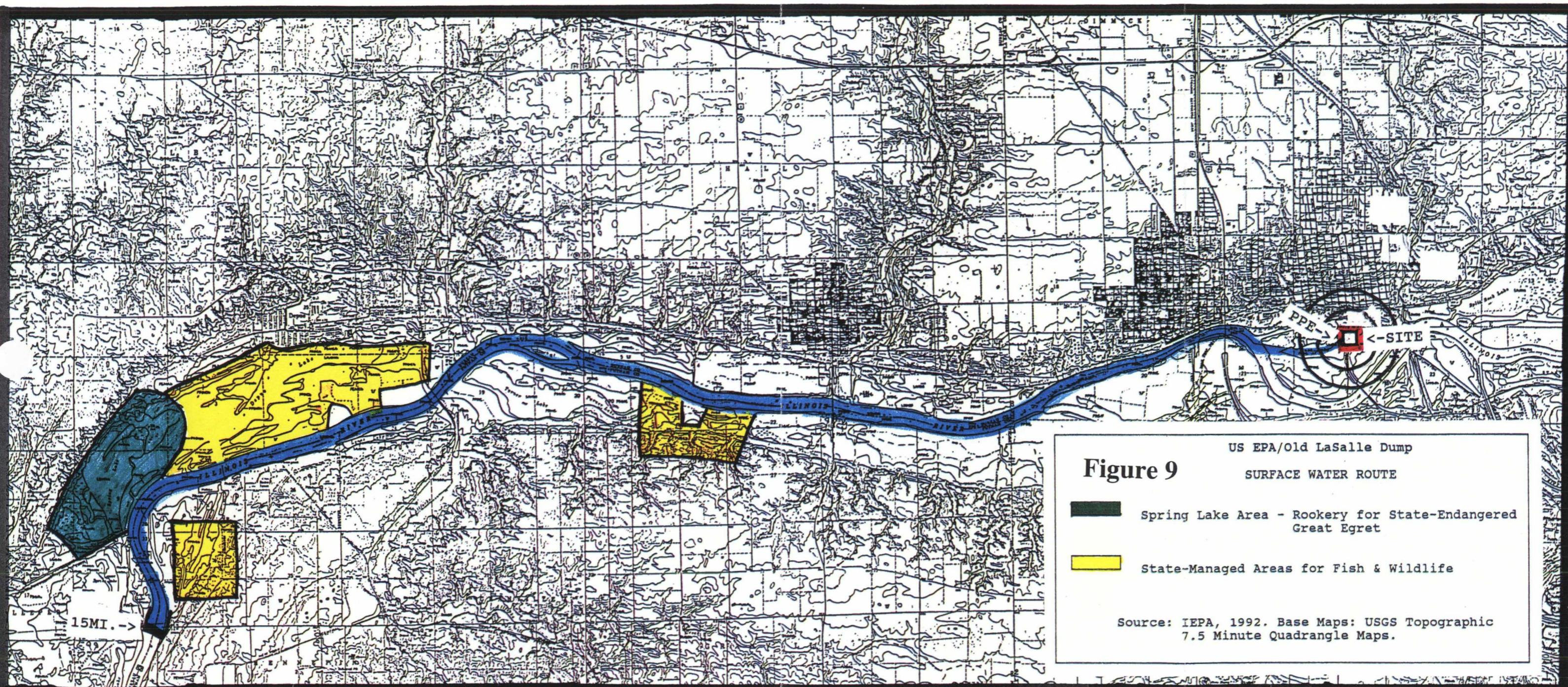


Figure 7  
Old LaSalle Dump  
Soil Sample Locations





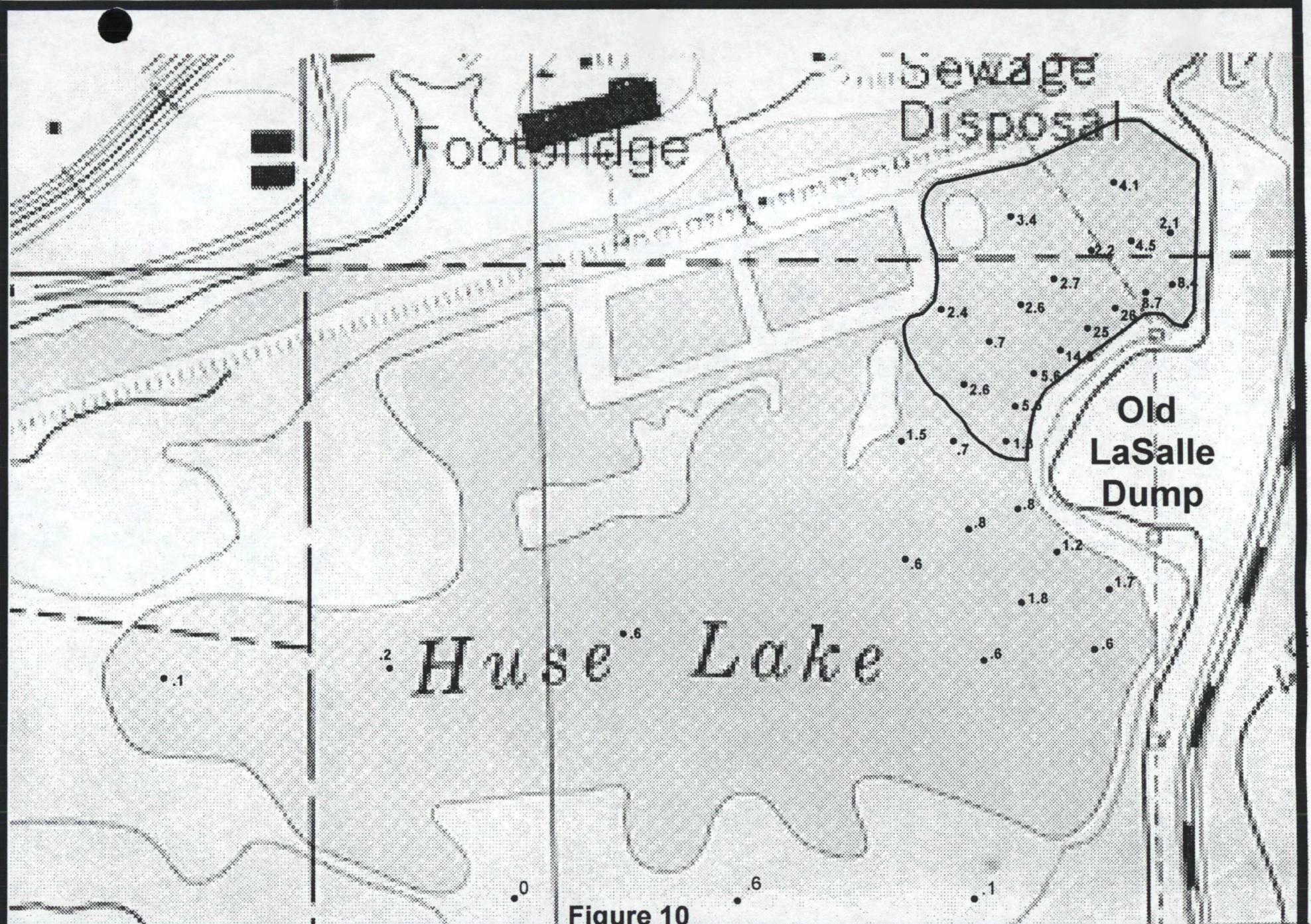
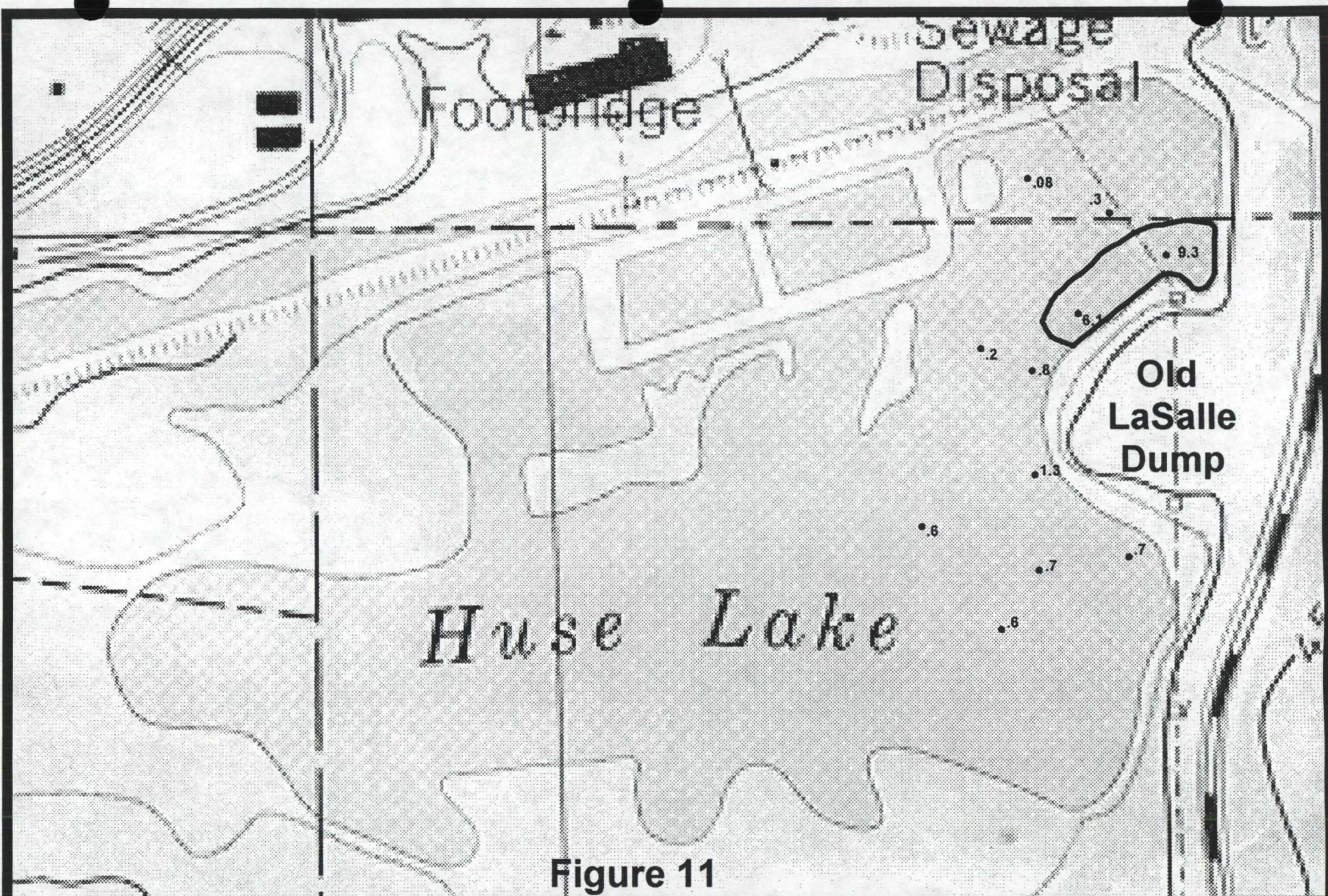


Figure 10

Shallow Sediment  
PCB Levels

Collected in top foot  
of sediment.

Area outlined shows approximate  
areas where average  
PCB levels exceed 1ppm.



**Figure 11**

**Deep Sediment  
PCB Levels**

Sample Depths 2.5 to 3.5  
feet in sediment

Area outlined shows approximate areas  
where average PCB levels exceed 1ppm



## **Appendix B**

### **Tables**

**Table 1**  
**Old LaSalle Dump Soil Sample Descriptions**

| Sample # | Sample Depth | Soil Description                           |
|----------|--------------|--|
| X101     | 10'          | Native soil. Black silty clay.             |
| X102     | 5'           | Brown cindery soil.                        |
| X103     | 9'           | Native soil. Black silty clay.             |
| X104     | 4'           | Brown cindery soil.                        |
| X105     | 6'           | Native soil. Black silty clay.             |
| X106     | 3'           | Brown cindery soil.                        |
| X107     | 6'           | Native soil. Black silty clay.             |
| X108     | 2'           | Brown cindery soil.                        |
| X109     | 8'           | Native soil. Black silty clay.             |
| X110     | 6"           | Dark brown silt.                           |
| X111     | 12'          | Native soil. Black silty clay.             |
| X112     | 4'           | Brown silt.                                |
| X113     | 6'           | Brown cindery soil.                        |
| X114     | 6'           | Brown cindery soil.                        |
| X115     | 4'           | Brown cindery soil.                        |
| X116     | 11'          | Native soil. Black silty clay.             |
| X117     | 4'           | Black silty loam.                          |
| X118     | 12'          | Native soil. Black silty clay.             |
| X119     | 5'           | Brown cindery soil.                        |
| X120     | 6'           | Black silty soil. Petroleum smell.         |
| X121     | 14'          | Native soil. Black silty clay.             |
| X122     | 10'          | Native soil. Black silty clay.             |
| X123     | 2'           | Dark brown silt with capacitor remains.    |
| X124     | 9'           | Native soil. Black silty clay.             |
| X125     | 4'           | Brown cindery soil with oil in it.         |
| X126     | 8'           | Native soil. Black silty clay.             |
| X127     | 4'           | Brown cindery soil with capacitor remains. |
| X128     | 10'          | Native soil. Black silty clay.             |
| X129     | 3'           | Brown cindery soil.                        |
| X130     | 8'           | Native soil. Black silty clay.             |

**Table 1 continued**  
**Old LaSalle Dump Soil Sample Descriptions**

| Sample # | Sample Depth | Soil Description                           |
|----------|--------------|--|
| X131     | 1'           | Tight gray clay.                           |
| X132     | 15'          | Native soil. Black silty clay.             |
| X133     | 10'          | Pink, blue and orange gooey material.      |
| X134     | 9'           | Native soil. Black silty clay.             |
| X135     | 3'           | Brown cindery soil.                        |
| X136     | 3.5'         | Brown cindery soil with capacitor remains. |
| X137     | 3.5'         | Brown cindery soil with capacitor remains. |
| X138     | 16'          | Native soil. Black silty clay.             |
| X139     | 12'          | Native soil. Black silty clay.             |
| X140     | 3'           | Brown cindery soil with capacitor remains. |
| X141     | 13'          | Native soil. Black silty clay.             |
| X142     | 5'           | Brown cindery soil.                        |
| X143     | 17'          | Native soil. Black silty clay.             |
| X144     | 5'           | Brown cindery soil with capacitor remains. |
| X145     | 14'          | Native soil. Black silty clay.             |
| X146     | 4'           | Brown cindery soil with capacitor remains. |
| X147     | 11'          | Native soil. Black silty clay.             |
| X148     | 5'           | Brown cindery material with oil.           |
| X149     | 10'          | Native soil. Black silty clay.             |
| X150     | 4.5'         | Brown cindery soil.                        |
| X151     | 5.5'         | Dark brown silty clay.                     |
| X152     | 3.5'         | Brown to gray cinders.                     |
| X153     | 13'          | Native soil. Black silty clay.             |
| X154     | 5'           | Brown cindery soil.                        |
| X155     | surface      | Black silt.                                |
| X156     | surface      | Black silt.                                |
| X157     | surface      | Black silt.                                |

## **Table 2**

### **Test Pit Descriptions**

#### **Test Pit #1**

- 0-2' Gray/green clay.
- 2' - 10' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.
- 10' Native soil. Black silty clay.

Groundwater encountered at 8'

#### **Test Pit #2**

- 0-3' Gray/green clay.
- 3-4' Brown cinders with remains of municipal garbage and capacitors.
- 4-9' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.
- 9' Native soil. Black silty clay.

Groundwater not found at depth of 9'

#### **Test Pit #3**

- 0 - 6" Black silt.
- 6" - 6' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.
- 6' Native soil. Black silty clay.

Groundwater encountered at 5'

#### **Test Pit #4**

- 0 - 6' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.
- 6' Native soil. Black silty clay.

Groundwater encountered at 5'.

#### **Test Pit #5**

- 0 - 2' Brown cinders with remains of municipal garbage and capacitors.
- 2 - 8' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.
- 8' Native soil. Black silty clay.

Groundwater encountered at 6'.

## **Table 2 continued**

### **Test Pit Descriptions**

#### **Test Pit #6**

0 - 12' Brown cinders with remains of municipal garbage and capacitors.  
12' Native soil. Black silty clay.

Groundwater encountered at 7'.

#### **Test Pit #7**

0 - 4' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
4 - 6' Brown cinders with remains of municipal garbage and capacitors.  
6 - 10' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
10' Native soil. Black silty clay.

No groundwater found at 10'.

#### **Test Pit #8**

0 - 1' Brown cinders with remains of municipal garbage and capacitors.  
1' - 11' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
11' Native soil. Black silty clay.

No groundwater found at 11'.

#### **Test Pit #9**

0 - 12' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
12' Native soil. Black silty clay.

No groundwater found at 12'.

#### **Test Pit #10**

0 - 14' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
Groundwater encountered at 9'.

## **Table 2 continued**

### **Test Pit Descriptions**

#### **Test Pit #11**

0 - 4' Black silt with lots of capacitors.  
4' - 10' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
10' Native soil. Black silty clay.

Groundwater encountered at 9'.

#### **Test Pit #12**

0 - 9' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
9' Native soil. Black silty clay.

Groundwater encountered at 7'.

#### **Test Pit #13**

0 - 3' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
3 - 6' Brown cinders with remains of municipal garbage and capacitors.  
6 - 8' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
8' Native soil. Black silty clay.

Groundwater encountered at 6'.

#### **Test Pit #14**

0 - 10' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick.  
10' Native soil. Black silty clay.

No groundwater encountered at 10'.

#### **Test Pit #15**

0 - 1' Tight gray clay.  
1 - 8' Mostly orange crushed brick with some municipal debris.  
8' Native soil. Black silty clay.

Groundwater encountered at 7'.

## **Table 2 continued**

### **Test Pit Descriptions**

#### **Test Pit #16**

0 - 2' Black silt.  
2 - 5' Brown cinders with remains of municipal garbage and capacitors.  
5 - 10' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
10 - 11' Pink, blue and orange gooey material.  
11 - 15' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
15' Native soil. Black silty clay.

Groundwater encountered at 9'.

#### **Test Pit #17**

0 - 4' Brown cinders with remains of municipal garbage and capacitors.  
4 - 9' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
9' Native soil. Black silty clay.

No groundwater found at 9'.

#### **Test Pit #18**

0 - 4' Brown cinders with remains of municipal garbage and capacitors.  
4 - 7' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
7 - 8' Gray clay.  
8 - 16' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
16' Native soil. Black silty clay.

Groundwater encountered at 14'.

#### **Test Pit #19**

0 - 4' Brown cinders with remains of municipal garbage and capacitors.  
4 - 12' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
12' Native soil. Black silty clay.

Groundwater encountered at 9'.

#### **Test Pit #20**

0 - 13' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
13' Native soil. Black silty clay.

Groundwater encountered at 9'.

## **Table 2 continued**

### **Test Pit Descriptions**

#### **Test Pit #21**

0 - 5' Brown cinders with remains of municipal garbage and capacitors.  
6 - 17' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
17' Native soil. Black silty clay.

Groundwater encountered at 13'.

#### **Test Pit #22**

0 - 5' Brown cinders with remains of municipal garbage and capacitors.  
5 - 14' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
14' Native soil. Black silty clay.

Groundwater encountered at 10'.

#### **Test Pit #23**

0 - 11' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
11' Native soil. Black silty clay.

Groundwater encountered at 8'.

#### **Test Pit #24**

0 - 10' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick

Groundwater encountered at 6'.

#### **Test Pit #25**

0 - 6' Brown cinders with remains of municipal garbage and capacitors.

No groundwater found at 6'.

#### **Test Pit #26**

0 - 5' Brown cinders with remains of municipal garbage and capacitors.  
5 - 13' Brown cinders with remains of municipal garbage including mainly bottles, cans and brick  
13' Native soil. Black silty clay.

Groundwater encountered at 9'.

**Table 3**  
**Old LaSalle Dump Soil Sampling Analytical Results**

| SCDM Benchmark              |           | X101  | X102  | X103   | X104  | X105    | X106  | X107  | X108   | X109  | X110  | X111  | X112    |
|-----------------------------|-----------|-------|-------|--------|-------|---------|-------|-------|--------|-------|-------|-------|---------|
| <b>Volatiles</b>            |           |       |       |        |       |         |       |       |        |       |       |       |         |
| Vinyl Chloride              | 310       | 17    | U     | 14     | U     | 17      | U     | 12    | U      | 20    | U     | 14    | U       |
| Bromomethane                | 820000    | 17    | U     | 790    |       | 17      | U     | 13    | U      | 20    | U     | 97    | J       |
| Acetone                     | 58000000  | 72    | J     | 140    | J     | 89      | J     | 88    | J      | 130   | J     | 140   | J       |
| Carbon Disulfide            | 58000000  | 17    | U     | 6      | J     | 7       | J     | 4     | J      | 24    |       | 3     | J       |
| cis-1,2-Dichloroethene      |           | 17    | U     | 14     | U     | 17      | U     | 12    | U      | 20    | U     | 14    | U       |
| 2-Butanone                  |           | 17    | U     | 14     | U     | 17      | U     | 12    | U      | 19    | J     | 14    | U       |
| Benzene                     | 20000     | 17    | UJ    | 28     | J     | 2       | J     | 11    | J      | 2     | J     | 8     | J       |
| Trichloroethene             |           | 17    | U     | 13     | J     | 17      | U     | 16    |        | 20    | U     | 14    | U       |
| Methylcyclohexane           |           | 17    | U     | 1      | J     | 17      | U     | 2     | J      | 20    | U     | 14    | J       |
| Toluene                     | 120000000 | 17    | UJ    | 14     | U     | 17      | U     | 12    | U      | 20    | U     | 14    | U       |
| Tetrachloroethene           | 11000     | 17    | U     | 2      | J     | 17      | U     | 2     | J      | 20    | U     | 2     | J       |
| Xylenes (total)             | 120000000 | 17    | UJ    | 3      | J     | 17      | UJ    | 2     | J      | 20    | UJ    | 14    | UJ      |
| <b>Semi-Volatiles</b>       |           |       |       |        |       |         |       |       |        |       |       |       |         |
| Benzaldehyde                |           | 53    | J     | 67     | J     | 39      | J     | 86    | J      | 31    | J     | 45    | J       |
| Acetophenone                |           | 510   | U     | 20     | J     | 450     | U     | 45    | J      | 400   | U     | 29    | J       |
| 4-Methylphenol              | 510       | U     | 500   | U      | 450   | U       | 840   | U     | 400    | U     | 450   | U     | 750     |
| Naphthalene                 |           | 27    | J     | 14     | J     | 20      | J     | 840   | U      | 16    | J     | 50    | J       |
| 2-Methylnaphthalene         |           | 33    | J     | 21     | J     | 21      | J     | 39    | J      | 16    | J     | 80    | J       |
| 1,1'-Biphenyl               | 510       | U     | 500   | U      | 450   | U       | 23    | J     | 400    | U     | 14    | J     | 750     |
| 2-Chloronaphthalene         | 47000000  | 510   | U     | 500    | U     | 180     | J     | 840   | U      | 28    | J     | 450   | U       |
| Acenaphthylene              |           | 120   | J     | 500    | U     | 31      | J     | 840   | U      | 28    | J     | 32    | J       |
| Dibenzofuran                |           | 13    | J     | 500    | U     | 13      | J     | 20    | J      | 10    | J     | 33    | J       |
| Fluorene                    | 23000000  | 24    | J     | 500    | U     | 450     | U     | 27    | J      | 400   | U     | 24    | J       |
| Hexachlorobenzene           | 360       | 510   | U     | 500    | U     | 450     | U     | 840   | U      | 400   | U     | 20    | J       |
| Phenanthrene                |           | 140   | J     | 67     | J     | 74      | J     | 270   | J      | 53    | J     | 320   | J       |
| Anthracene                  | 170000000 | 87    | J     | 500    | U     | 51      | J     | 110   | J      | 46    | J     | 71    | J       |
| Carbazole                   |           | 510   | U     | 500    | U     | 450     | U     | 840   | U      | 400   | U     | 450   | U       |
| Fluoranthene                |           | 360   | J     | 87     | J     | 190     | J     | 690   | J      | 170   | J     | 540   | J       |
| Pyrene                      | 17000000  | 520   | 69    | J      | 440   | J       | 690   | J     | 250    | J     | 490   | 260   | J       |
| Benz(a)anthracene           |           | 370   | J     | 33     | J     | 150     | J     | 400   | J      | 100   | J     | 260   | J       |
| Chrysene                    |           | 520   | 53    | J      | 230   | J       | 540   | J     | 160    | J     | 310   | J     | 220     |
| bis(2-Ethylhexyl)phthalate  | 42000     | 510   | U     | 500    | U     | 450     | U     | 3500  | 400    | U     | 590   | U     | 930     |
| Benzo(b)fluoranthene        |           | 500   | J     | 55     | J     | 230     | J     | 610   | J      | 160   | J     | 270   | J       |
| Benzo(k)fluoranthene        |           | 420   | J     | 45     | J     | 210     | J     | 700   | J      | 150   | J     | 270   | J       |
| Benzo(a)pyrene              | 80        | 500   | J     | 43     | J     | 200     | J     | 640   | J      | 130   | J     | 250   | J       |
| Indeno(1,2,3-cd)pyrene      |           | 220   | J     | 27     | J     | 110     | J     | 450   | J      | 68    | J     | 140   | J       |
| Dibenzo(a,h)anthracene      | 93        | 51    | J     | 500    | U     | 45      | J     | 200   | J      | 26    | J     | 56    | J       |
| Benzo(g,h,i)perylene        |           | 230   | J     | 500    | U     | 110     | J     | 510   | J      | 73    | J     | 150   | J       |
| 200                         | J         | 110   | J     | 510    | J     | 73      | J     | 150   | J      | 110   | J     | 580   | J       |
| <b>Pesticides/PCBs</b>      |           |       |       |        |       |         |       |       |        |       |       |       |         |
| alpha-BHC                   |           | 2.6   | U     | 140    |       | 87      | J     | 620   | J      | 2.8   | U     | 570   | J       |
| beta-BHC                    |           | 5.3   | 50    |        | 32    | J       | 760   | J     | 2.8    | U     | 23    | J     | 3.9     |
| Heptachlor                  | 130       | 2.6   | U     | 26     | U     | 2.8     | U     | 1000  | J      | 2.8   | U     | 23    | J       |
| Endosulfan I                | 3500000   | 2.6   | U     | 26     | U     | 2.8     | U     | 430   | J      | 2.8   | U     | 23    | J       |
| Dieldrin                    | 36        | 5.1   | U     | 50     | U     | 5.4     | U     | 840   | U      | 5.5   | U     | 45    | U       |
| 4,4'-DDE                    | 1700      | 5.1   | U     | 50     | U     | 5.4     | U     | 840   | U      | 5.5   | U     | 940   | J       |
| Endosulfan II               | 3500000   | 5.1   | U     | 50     | U     | 5.4     | U     | 840   | U      | 5.5   | U     | 45    | J       |
| Endosulfan sulfate          |           | 5.1   | U     | 50     | U     | 5.4     | U     | 840   | U      | 5.5   | U     | 7.5   | U       |
| Aroclor-1016                | 76        | 51    | U     | 500    | U     | 54      | U     | 8400  | U      | 55    | U     | 450   | J       |
| Aroclor-1221                | 76        | 100   | U     | 1000   | U     | 110     | U     | 17000 | U      | 110   | U     | 910   | J       |
| Aroclor-1232                | 76        | 51    | U     | 500    | U     | 54      | U     | 8400  | U      | 55    | U     | 450   | J       |
| Aroclor-1242                | 76        | 51    | U     | 500    | U     | 54      | U     | 8400  | U      | 5400  | J     | 21000 | J       |
| Aroclor-1248                | 76        | 51    | U     | 97000  | 6500  | 1600000 | 55    | U     | 120000 | J     | 75    | U     | 1100000 |
| Aroclor-1254                | 76        | 51    | U     | 500    | U     | 3700    | 8400  | U     | 3300   | 450   | U     | 12000 | J       |
| Aroclor-1260                | 76        | 51    | U     | 500    | U     | 590     | 14000 | J     | 430    | J     | 450   | U     | 21000   |
| Dioxins (Total Toxicity Eq) |           |       |       |        |       |         |       |       |        |       |       |       |         |
| <b>Inorganics</b>           |           |       |       |        |       |         |       |       |        |       |       |       |         |
| ALUMINUM                    |           | 18800 | 15900 | 16800  | 4830  | 16700   | 12200 | 18300 | 11100  | 19000 | 14200 | 15000 | 6790    |
| ANTIMONY                    | 230       | 0.95  | UJ    | 4.7    | J     | 0.98    | UJ    | 1.0   | J      | 1.6   | J     | 3.2   | J       |
| ARSENIC                     |           | 17.0  | 21.3  |        | 11.4  | J       | 6.5   | J     | 16.7   | J     | 15.6  | 19.8  | J       |
| BARIUM                      | 41000     | 181   | 335   | 210    |       | 277     | 240   | 277   |        | 287   |       | 369   | 225     |
| BERYLLIUM                   |           | 0.91  | 0.95  | 0.85   | 0.45  |         | 0.98  | 0.80  |        | 0.96  | 0.53  | 0.93  | 0.73    |
| CADMIUM                     | 290       | 6.0   | 8.9   | 12.2   | 5.3   | 20.0    | 8.2   | 16.8  | 8.4    | 11.9  | 9.8   | 12.1  | 1.1     |
| CALCIUM                     | 13500     | 50900 | 26000 | 157000 | 20800 | 27200   | 15000 | 33700 | 11400  | 24400 | 24400 | 15700 | 48200   |
| CHROMIUM                    | 2900      | 41.5  | J     | 34.0   | J     | 64.6    | J     | 29.5  | J      | 66.8  | J     | 50.2  | J       |
| COBALT                      |           | 9.8   | 9.9   | 10.1   | 4.7   | 12.8    |       | 11.1  | 10.5   | 7.5   | 11.7  | 8.8   | 11.4    |
| COPPER                      |           | 45.9  | J     | 315    | J     | 66.7    | J     | 44.4  | J      | 94.3  | J     | 359   | J       |
| IRON                        | 33900     | 32100 | 28400 | 16100  | 38400 | 41700   | 41200 | 25300 | 27100  | 71600 | 30000 | 21100 |         |
| LEAD                        |           | 53.6  | 837   | 151    | 597   | 188     | 411   | 221   | 713    | 145   | 766   | 182   | 19.4    |
| MAGNESIUM                   |           | 8290  | 7760  | 8840   | 13200 | 7910    | 7500  | 6420  | 9620   | 6810  | 8880  | 7060  | 17800   |
| MANGANESE                   | 2900      | 508   | 773   | 761    | 1370  | 561     | 1160  | 1870  | 836    | 351   | 1270  | 512   | 839     |
| MERCURY                     | 170       | 0.30  | J     | 0.17   | J     | 0.78    | J     | 0.26  | J      | 0.63  | J     | 1.1   | J       |
| NICKEL                      | 12000     | 30.3  | J     | 103    | J     | 42.8    | J     | 42.3  | J      | 58.9  | J     | 83.4  | J       |
| POTASSIUM                   |           | 2440  | 2150  | 2780   | 982   | 2510    | 1580  | 3080  | 1640   | 2830  | 1710  | 2560  | 1030    |
| SELENIUM                    | 2900      | 1.4   | UJ    | 1.3    | UJ    | 1.6     | J     | 1.1   | UJ     | 3.3   | J     | 1.5   | J       |
| SILVER                      | 2900      | 0.97  | 1.8   | 1.6    | 0.25  | 1.8     | 1.6   | 1.9   | 1.5    | 1.9   | 1.5   | 2.8   | 1.2     |
| SODIUM                      |           | 462   | 1000  | 529    | 449   | 619     | 474   | 724   | 667    | 509   | 472   | 551   | 360     |
| VANADIUM                    | 4100      | 37.1  | 28.5  | 33.5   | 15.4  | 37.9    | 30.1  | 40.8  | 29.1   | 37.3  | 28.5  | 35.2  | 16.2    |
| ZINC                        | 170000    | 622   | 1560  | 932    | 486   | 1520    | 1420  | 1430  | 1530   | 1170  | 1570  | 1280  | 99.6    |
| CYANIDE                     | 12000     | 0.15  | R     | 0.39   | J     | 0.15    | R     | 0.58  | J      | 0.18  | R     | 0.16  | J       |
|                             |           |       |       |        |       |         |       |       |        |       |       |       | R       |

The volatiles, semi-volatiles and pesticides/pcbs are shown in parts per billion.

The inorganics are shown in parts per million.

Table 3 cont.

## Old LaSalle Dump Soil Sampling Analytical Results

| SCDM Benchmark               |           | X113  | X114   | X115  | X116  | X117  | X118 | X119  | X120 | X121  | X122 | X123  | X124 |
|------------------------------|-----------|-------|--------|-------|-------|-------|------|-------|------|-------|------|-------|------|
| <b>Volatiles</b>             |           |       |        |       |       |       |      |       |      |       |      |       |      |
| Vinyl Chloride               | 310       | 7     | J      | 5     | J     | 10    | U    | 13    | U    | 15    | U    | 12    | U    |
| Bromomethane                 | 820000    | 1200  |        | 550   |       | 4     | J    | 13    | U    | 15    | U    | 12    | U    |
| Acetone                      | 58000000  | 580   | J      | 1000  | J     | 59    | U    | 56    | U    | 84    | U    | 110   | U    |
| Carbon Disulfide             | 58000000  | 2     | J      | 2     | J     | 10    | U    | 2     | J    | 2     | J    | 12    | U    |
| cis-1,2-Dichloroethene       |           | 48    |        | 20    |       | 2     | J    | 6     | J    | 45    |      | 3     | J    |
| 2-Butanone                   |           | 13    | U      | 240   |       | 10    | U    | 13    | U    | 15    | U    | 12    | U    |
| Benzene                      | 20000     | 5     | J      | 7     | J     | 3     | J    | 4     | J    | 13    | J    | 12    | UJ   |
| Trichloroethene              |           | 16    |        | 28    |       | 8     | J    | 13    | U    | 13    | J    | 2     | J    |
| Methylcyclohexane            |           | 13    | U      | 14    | U     | 2     | J    | 13    | U    | 2     | J    | 12    | U    |
| Toluene                      | 120000000 | 13    | U      | 14    | U     | 10    | U    | 13    | U    | 15    | U    | 12    | UJ   |
| Tetrachloroethene            | 11000     | 13    | U      | 14    | U     | 10    | U    | 13    | U    | 15    | U    | 12    | U    |
| Xylenes (total)              | 120000000 | 13    | UJ     | 2     | J     | 10    | UJ   | 13    | UJ   | 15    | UJ   | 12    | UJ   |
| <b>Semi-Volatiles</b>        |           |       |        |       |       |       |      |       |      |       |      |       |      |
| Benzaldehyde                 |           | 450   | UJ     | 460   | UJ    | 400   | UJ   | 430   | UJ   | 420   | UJ   | 400   | UJ   |
| Acetophenone                 |           | 450   | U      | 460   | U     | 400   | U    | 430   | U    | 420   | U    | 400   | U    |
| 4-Methylphenol               |           | 31    | J      | 28    | J     | 400   | U    | 430   | U    | 420   | U    | 400   | U    |
| Naphthalene                  |           | 500   |        | 350   | J     | 400   | U    | 110   | J    | 130   | J    | 210   | J    |
| 2-Methylnaphthalene          |           | 370   | J      | 330   | J     | 400   | U    | 280   | J    | 380   | J    | 420   | U    |
| 1,1'-Biphenyl                |           | 88    | J      | 56    | J     | 400   | U    | 430   | U    | 20    | J    | 420   | U    |
| 2-Chloronaphthalene          | 47000000  | 82000 |        | 3000  |       | 400   | U    | 430   | U    | 420   | U    | 400   | U    |
| Acenaphthylene               |           | 55    | J      | 67    | J     | 400   | U    | 15    | J    | 420   | U    | 61    | J    |
| Dibenzofuran                 |           | 350   | J      | 260   | J     | 400   | U    | 49    | J    | 85    | J    | 420   | U    |
| Fluorene                     | 23000000  | 650   |        | 370   | J     | 13    | J    | 430   | U    | 420   | U    | 65    | J    |
| Hexachlorobenzene            |           | 360   | 450    | U     | 460   | U     | 400  | U     | 430  | U     | 420  | U     | 400  |
| Phenanthrene                 |           | 2900  |        | 2200  |       | 130   | J    | 210   | J    | 360   | J    | 420   | U    |
| Anthracene                   | 170000000 | 690   |        | 490   |       | 35    | J    | 18    | J    | 36    | J    | 420   | U    |
| Carbazole                    |           | 400   | J      | 260   | J     | 18    | J    | 430   | U    | 420   | U    | 52    | J    |
| Fluoranthene                 |           | 4100  |        | 3200  |       | 210   | J    | 170   | J    | 250   | J    | 420   | U    |
| Pyrene                       | 17000000  | 5800  |        | 4400  |       | 160   | J    | 150   | J    | 290   | J    | 420   | U    |
| Benz(a)anthracene            |           | 3100  |        | 2100  |       | 81    | J    | 89    | J    | 140   | J    | 420   | U    |
| Chrysene                     |           | 3600  |        | 2400  |       | 89    | J    | 130   | J    | 180   | J    | 420   | U    |
| bis(2-Ethylhexyl)phthalate   | 42000     | 450   | U      | 460   | U     | 400   | U    | 430   | U    | 420   | U    | 400   | U    |
| Benz(b)fluoranthene          |           | 3200  |        | 1700  |       | 69    | J    | 93    | J    | 120   | J    | 420   | U    |
| Benz(k)fluoranthene          |           | 2500  |        | 2100  |       | 80    | J    | 100   | J    | 140   | J    | 420   | U    |
| Benz(a)pyrene                | 80        | 3000  |        | 2000  |       | 71    | J    | 100   | J    | 140   | J    | 420   | U    |
| Indeno(1,2,3-cd)pyrene       |           | 2000  |        | 1400  |       | 40    | J    | 53    | J    | 100   | J    | 420   | U    |
| Dibenzo(a,h)anthracene       |           | 770   |        | 520   |       | 20    | J    | 21    | J    | 37    | J    | 420   | U    |
| Benz(g,h,i)perylene          |           | 1800  |        | 1500  |       | 400   | U    | 57    | J    | 120   | J    | 420   | U    |
| <b>Pesticides/PCBs</b>       |           |       |        |       |       |       |      |       |      |       |      |       |      |
| alpha-BHC                    |           | 690   | J      | 220   | J     | 2.1   | U    | 4.2   |      | 3.6   | 2.7  | 16    | 680  |
| beta-BHC                     |           | 170   | J      | 12    | U     | 2.1   | U    | 9.0   |      | 19    | 2.2  | U     | 35   |
| Heptachlor                   | 130       | 47    | U      | 71    | J     | 2.1   | U    | 2.2   | U    | 2.2   | U    | 2.1   | U    |
| Endosulfan I                 | 3500000   | 47    | U      | 12    | U     | 2.1   | U    | 2.2   | U    | 2.2   | U    | 2.1   | U    |
| Dieldrin                     |           | 36    | 90     | U     | 23    | U     | 4.0  | U     | 4.3  | U     | 4.2  | U     | 4.0  |
| 4,4'-DDE                     |           | 1700  | 90     | U     | 23    | U     | 4.0  | U     | 4.3  | U     | 4.2  | U     | 4.0  |
| Endosulfan II                | 3500000   | 90    | U      | 23    | U     | 4.0   | U    | 4.3   | U    | 4.2   | U    | 4.0   | U    |
| Endosulfan sulfate           |           | 90    | U      | 23    | U     | 4.0   | U    | 15    |      | 6.7   | 4.2  | U     | 9.2  |
| Aroclor-1016                 | 76        | 900   | U      | 230   | U     | 40    | U    | 43    | U    | 42    | U    | 40    | U    |
| Aroclor-1221                 |           | 76    | 1800   | U     | 470   | U     | 82   | U     | 88   | U     | 86   | U     | 82   |
| Aroclor-1232                 |           | 76    | 900    | U     | 230   | U     | 40   | U     | 43   | U     | 42   | U     | 40   |
| Aroclor-1242                 |           | 76    | 900    | U     | 230   | U     | 150  |       | 43   | U     | 42   | U     | 40   |
| Aroclor-1248                 |           | 76    | 900    | U     | 230   | U     | 40   | U     | 43   | U     | 1600 |       | 130  |
| Aroclor-1254                 |           | 76    | 220000 | J     | 44000 | J     | 150  | 890   |      | 420   | 40   | U     | 450  |
| Aroclor-1260                 |           | 76    | 900    | U     | 5900  | J     | 40   | U     | 43   | U     | 42   | U     | 40   |
| Dioxins (Total Toxicity Equ) |           | 76    |        |       |       |       |      |       |      |       |      |       |      |
| <b>Inorganics</b>            |           |       |        |       |       |       |      |       |      |       |      |       |      |
| ALUMINUM                     |           | 53100 |        | 45200 |       | 9590  |      | 11000 |      | 9220  |      | 8210  |      |
| ANTIMONY                     | 230       | 17.1  | J      | 2.9   | J     | 1.4   | J    | 0.86  | J    | 3.2   | J    | 0.79  | UJ   |
| ARSENIC                      |           | 11.9  | J      | 12.5  | J     | 3.4   | J    | 10.7  |      | 21.8  | 6.6  | J     | 12.3 |
| BARIUM                       | 41000     | 233   |        | 200   |       | 243   |      | 104   |      | 205   | 81.2 |       | 137  |
| BERYLLIUM                    |           | 0.51  |        | 0.45  |       | 0.83  |      | 0.97  |      | 4.3   | 0.51 |       | 1.5  |
| CADMIUM                      |           | 290   | 9.1    | 6.7   |       | 1.0   |      | 6.3   |      | 12.6  | 0.79 |       | 5.6  |
| CALCIUM                      |           | 35800 |        | 79300 |       | 24700 |      | 38200 |      | 68600 |      | 7130  |      |
| CHROMIUM                     | 2900      | 21.8  | J      | 27.6  | J     | 20.8  | J    | 17.6  | J    | 12.9  | J    | 13.5  | J    |
| COBALT                       |           | 6.5   |        | 6.4   |       | 6.3   |      | 8.3   |      | 6.9   | 8.8  |       | 5.9  |
| COPPER                       |           | 1550  | J      | 1770  | J     | 33.0  | J    | 27.8  | J    | 131   | J    | 14.3  | J    |
| IRON                         |           | 14300 |        | 43200 |       | 16600 |      | 20400 |      | 29200 |      | 21600 |      |
| LEAD                         |           | 4370  | J      | 470   |       | 29.5  |      | 81.3  |      | 673   | 12.8 |       | 500  |
| MAGNESIUM                    |           | 6350  |        | 31500 |       | 3280  |      | 13400 |      | 20300 |      | 4820  |      |
| MANGANESE                    | 2900      | 463   |        | 1230  |       | 439   |      | 719   |      | 774   | 824  |       | 1220 |
| MERCURY                      | 170       | 0.21  | J      | 0.21  | J     | 0.060 | UJ   | 0.080 | J    | 0.33  | J    | 0.060 | UJ   |
| NICKEL                       | 12000     | 24.3  | J      | 20.8  | J     | 23.7  | J    | 22.1  | J    | 23.3  | J    | 21.5  | J    |
| POTASSIUM                    |           | 1060  |        | 1250  |       | 1970  |      | 1940  |      | 1700  |      | 1400  |      |
| SELENIUM                     | 2900      | 1.2   | UJ     | 1.3   | UJ    | 1.2   | J    | 1.2   | UJ   | 1.3   | J    | 1.2   | UJ   |
| SILVER                       | 2900      | 2.7   |        | 2.3   |       | 0.34  |      | 0.29  |      | 0.61  | 0.32 |       | 0.30 |
| SODIUM                       |           | 590   |        | 559   |       | 433   |      | 427   |      | 997   | 373  |       | 521  |
| VANADIUM                     | 4100      | 24.2  |        | 23.2  |       | 22.6  |      | 24.9  |      | 39.7  | 19.6 |       | 23.1 |
| ZINC                         | 170000    | 1400  |        | 1120  |       | 171   |      | 1020  |      | 1350  | 63.7 |       | 797  |
| CYANIDE                      | 12000     | 0.12  | R      | 0.13  | R     | 0.12  | R    | 0.13  | R    | 1.0   | J    | 0.12  | R    |

The volatiles, semi-volatiles and pesticides/pcbs are shown in parts per billion.

The inorganics are shown in parts per million.

**Table 3 cont.**  
**Old LaSalle Dump Soil Sampling Analytical Results**

| SCDM<br>Benchmark            |           | X125  | X126   | X127   | X128    | X129   | X130   | X131   | X132   | X133   | X134    | X135   | X136   |
|------------------------------|-----------|-------|--------|--------|---------|--------|--------|--------|--------|--------|---------|--------|--------|
| <b>Volatiles</b>             |           |       |        |        |         |        |        |        |        |        |         |        |        |
| Vinyl Chloride               | 310       | 16    | U 2    | J 11   | U 3     | J 12   | U 6    | J 11   | U 37   | 22     | U 25    | 12     | U 12   |
| Bromomethane                 | 820000    | 16    | U 15   | J 15   | 12      | U 12   | U 16   | U 11   | U 25   | U 22   | U 16    | U 12   | U 12   |
| Acetone                      | 58000000  | 240   | J 120  | J 38   | J 110   | J 82   | J 7    | J 5    | J 32   | J 110  | J 29    | J 82   | J 61   |
| Carbon Disulfide             | 58000000  | 16    | U 13   | J 11   | 6       | J 7    | J 5    | J 42   | 49     | 3      | J 3     | J 3    | J 2    |
| cis-1,2-Dichloroethene       |           | 16    | U 15   | 3      | J 4     | J 12   | U 9    | J 11   | U 19   | J 5    | J 130   | 10     | J 5    |
| 2-Butanone                   | 63        | 37    | 11     | U 24   | 30      | 16     | U 11   | U 25   | U 22   | U 16   | U 12    | U 10   | J      |
| Benzene                      | 20000     | 10    | J 18   | J 17   | J 3     | J 110  | J 16   | UJ 4   | J 5    | J 22   | UJ 3    | J 6    | J 2    |
| Trichloroethene              |           | 6     | J 15   | U 7    | J 12    | U 44   | 3      | J 3    | J 25   | U 11   | J 160   | 190    | 21     |
| Methylcyclohexane            |           | 16    | U 2    | J 11   | U 2     | J 5    | J 16   | U 2    | J 25   | U 22   | U 2     | J 12   | U 12   |
| Toluene                      | 120000000 | 16    | U 15   | U 11   | U 12    | U 45   | J 16   | UJ 11  | U 25   | U 22   | UJ 16   | U 6    | J 12   |
| Tetrachloroethylene          | 11000     | 28    | 15     | U 73   | 2       | J 150  | 16     | U 11   | U 25   | U 22   | U 16    | U 12   | U 12   |
| Xylenes (total)              | 120000000 | 16    | UJ 15  | UJ 11  | UJ 12   | UJ 12  | J 16   | UJ 11  | UJ 25  | UJ 22  | UJ 16   | J 12   | UJ 12  |
| <b>Semi-Volatiles</b>        |           |       |        |        |         |        |        |        |        |        |         |        |        |
| Benzaldehyde                 |           | 2300  | U 460  | U 850  | U 410   | U 440  | U 490  | U 400  | U 120  | J 600  | U 58    | J 92   | J 420  |
| Acetophenone                 |           | 2300  | U 460  | U 42   | J 410   | U 14   | J 490  | U 13   | J 630  | U 600  | U 47    | J 44   | J 19   |
| 4-Methylphenol               |           | 2300  | U 30   | J 850  | U 410   | U 440  | U 490  | U 400  | U 24   | J 600  | U 64    | J 420  | U 420  |
| Naphthalene                  |           | 2300  | U 460  | U 850  | U 410   | U 440  | U 490  | U 400  | U 630  | U 600  | U 460   | U 180  | J      |
| 2-Methylnaphthalene          |           | 2300  | U 460  | U 28   | J 16    | J 440  | U 14   | J 400  | U 20   | J 600  | U 22    | J 460  | 110    |
| 1,1'-Biphenyl                |           | 2300  | U 460  | U 24   | J 410   | U 440  | U 490  | U 400  | U 24   | J 600  | U 460   | J 24   | J 23   |
| 2-Chloronaphthalene          | 47000000  | 2300  | U 460  | U 850  | U 20    | J 440  | U 490  | U 1200 | 630    | U 600  | U 460   | U 420  | U      |
| Acenaphthylene               |           | 2300  | U 13   | J 850  | U 17    | J 440  | U 21   | J 100  | J 23   | J 600  | U 35    | J 87   | J 51   |
| Dibenzofuran                 |           | 2300  | U 460  | U 54   | J 410   | U 440  | U 490  | U 400  | U 18   | J 600  | U 12    | J 120  | J 82   |
| Fluorene                     | 23000000  | 2300  | U 460  | U 160  | J 410   | U 440  | U 490  | U 400  | U 40   | J 600  | U 460   | J 72   | J 120  |
| Hexachlorobenzene            | 360       | 2300  | U 460  | U 850  | U 410   | U 65   | J 490  | U 400  | U 630  | U 190  | J 460   | U 420  | J 20   |
| Phenanthrene                 |           | 200   | J 45   | J 2800 | 58      | J 30   | J 58   | J 400  | U 97   | J 600  | U 79    | J 1000 | 1100   |
| Anthracene                   | 170000000 | 2300  | U 21   | J 780  | J 17    | J 440  | U 26   | J 14   | J 55   | J 600  | U 51    | J 190  | J 220  |
| Carbazole                    |           | 2300  | U 460  | U 250  | J 410   | U 440  | U 490  | U 400  | U 630  | U 600  | U 460   | U 85   | J 120  |
| Fluoranthene                 |           | 430   | J 64   | J 5600 | 92      | J 36   | J 100  | J 400  | U 230  | J 600  | U 130   | J 1100 | 1200   |
| Pyrene                       | 17000000  | 380   | J 91   | J 6300 | 130     | J 40   | J 120  | J 400  | U 530  | J 600  | U 140   | J 1200 | 1000   |
| Benzo(a)anthracene           |           | 230   | J 51   | J 3500 | 72      | J 20   | J 70   | J 400  | U 170  | J 600  | U 99    | J 490  | 530    |
| Chrysene                     |           | 300   | J 77   | J 3700 | 94      | J 35   | J 120  | J 400  | U 240  | J 600  | U 150   | J 660  | 620    |
| bis(2-Ethylhexyl)phthalate   | 42000     | 2300  | U 460  | U 850  | U 680   | U 440  | U 3000 | U 400  | U 1200 | U 600  | U 460   | U 420  | U      |
| Benzo(b)fluoranthene         |           | 300   | J 69   | J 3400 | 85      | J 28   | J 100  | J 400  | U 210  | J 600  | U 140   | J 600  | 460    |
| Benzo(k)fluoranthene         |           | 230   | J 60   | J 2500 | 77      | J 440  | U 96   | J 400  | U 190  | J 600  | U 140   | J 570  | 560    |
| Benzo(a)pyrene               | 80        | 250   | J 62   | J 3000 | 93      | J 10   | J 80   | J 400  | U 180  | J 600  | U 130   | J 590  | 470    |
| Indeno(1,2,3-cd)pyrene       |           | 170   | J 63   | J 1800 | J 74    | J 16   | J 74   | J 400  | UJ 140 | J 600  | U 110   | J 300  | J 280  |
| Dibenzo(a,h)anthracene       |           | 2300  | U 21   | J 620  | J 24    | J 440  | UJ 22  | J 400  | UJ 49  | J 600  | U 47    | J 110  | J 110  |
| Benzo(g,h,i)perylene         |           | 2300  | U 63   | J 1600 | J 80    | J 440  | UJ 87  | J 400  | UJ 160 | J 600  | U 110   | J 330  | J 220  |
| <b>Pesticides/PCBs</b>       |           |       |        |        |         |        |        |        |        |        |         |        |        |
| alpha-BHC                    |           | 170   | J 17   | 160    | 89      | J 5.8  | 3.8    | U 23   | J 130  | 130    | 62      | 9.2    | 100    |
| beta-BHC                     |           | 4.7   | U 2.4  | U 11   | U 2.1   | U 4.6  | 3.1    | 2.1    | U 3.3  | U 3.3  | U 2.4   | U 20   | 780    |
| Heptachlor                   | 130       | 4.7   | U 17   | 11     | U 120   | J 7.4  | 2.5    | U 2.1  | U 80   | 80     | 78      | 8.9    | 22     |
| Endosulfan I                 | 3500000   | 4.7   | U 2.4  | U 11   | U 0.89  | J 2.3  | U 2.5  | U 2.1  | U 3.3  | U 3.3  | U 2.4   | U 1.4  | J 22   |
| Dieldrin                     | 36        | 9.0   | U 4.6  | U 21   | U 11    | J 4.4  | U 4.9  | U 4.0  | U 6.4  | U 6.4  | U 4.7   | U 4.2  | U 200  |
| 4,4'-DDE                     | 1700      | 9.0   | U 4.6  | U 21   | U 34    | J 6.4  | 4.9    | U 4.0  | U 6.4  | U 6.4  | U 4.7   | U 8.0  | 87     |
| Endosulfan II                | 3500000   | 9.0   | U 4.6  | U 21   | U 4.1   | U 4.4  | U 4.9  | U 4.0  | U 6.4  | U 6.4  | U 4.7   | U 4.2  | U 42   |
| Endosulfan sulfate           |           | 9.0   | U 4.6  | U 21   | U 3.4   | J 4.4  | J 4.9  | U 4.0  | U 6.4  | U 6.4  | U 4.7   | U 4.2  | U 64   |
| Aroclor-1016                 | 76        | 90    | U 46   | U 210  | U 41    | J 44   | U 49   | U 40   | U 63   | U 63   | U 46    | U 42   | U 420  |
| Aroclor-1221                 |           | 180   | U 93   | U 430  | U 84    | U 89   | U 99   | U 82   | U 130  | U 130  | U 94    | U 86   | U 850  |
| Aroclor-1232                 |           | 76    | 90     | U 46   | U 210   | U 41   | J 44   | U 49   | U 40   | U 63   | U 63    | U 46   | U 420  |
| Aroclor-1242                 |           | 76    | 90     | U 750  | 210     | U 41   | J 44   | U 220  | 2300   | 63     | U 63    | U 46   | U 420  |
| Aroclor-1248                 |           | 76    | 90     | U 46   | U 29000 | 41     | U 44   | U 49   | U 40   | U 63   | U 63    | U 46   | U 420  |
| Aroclor-1254                 |           | 76    | 18000  | J 840  | 25000   | 41     | U 44   | U 49   | U 280  | J 3400 | 3400    | 3300   | 42     |
| Aroclor-1260                 |           | 76    | 3000   | J 46   | U 3800  | 41     | U 44   | U 48   | J 52   | J 63   | U 63    | U 430  | 42     |
| Dioxins (Total Toxicity Equ) |           |       |        |        |         |        |        |        |        |        |         |        |        |
| <b>Inorganics</b>            |           |       |        |        |         |        |        |        |        |        |         |        |        |
| ALUMINUM                     |           | 30300 | 14900  | 15800  | 10500   | 10000  | 13400  | 19000  | 12900  | 22600  | 13700   | 9910   | 7840   |
| ANTIMONY                     | 230       | 6.4   | J 0.92 | UJ 3.7 | J 0.81  | UJ 5.0 | J 0.91 | UJ 1.1 | J 1.1  | UJ 1.2 | UJ 0.86 | UJ 1.8 | J 2.4  |
| ARSENIC                      |           | 26.5  | J 7.9  | J 22.0 | J 9.1   | J 16.5 | J 11.1 | J 3.5  | J 17.2 | J 2.3  | U 10.1  | J 15.7 | J 16.1 |
| BAIRUM                       | 41000     | 494   | 185    | 591    | 151     | 652    | 184    | 94.1   | 138    | 49.6   | 112     | 292    | 286    |
| BERYLLIUM                    |           | 0.25  | 0.82   | 0.96   | 0.62    | 0.74   | 0.74   | 0.99   | 0.74   | 0.42   | 0.78    | 3.3    | 0.73   |
| CADMIUM                      | 290       | 5.6   | 7.4    | 29.7   | 7.1     | 94.4   | 17.3   | 0.89   | 10.1   | 0.22   | U 11.1  | 11.2   | 4.1    |
| CALCIUM                      |           | 28000 | 15500  | 55700  | 20700   | 81900  | 15000  | 27400  | 38400  | 10100  | 17200   | 28900  | 91800  |
| CHROMIUM                     | 2900      | 674   | 50.9   | 75.4   | 25.6    | 23.9   | 62.3   | 29.0   | 51.6   | 49.1   | 36.0    | 19.2   | 19.0   |
| COBALT                       |           | 16.1  | 9.0    | 11.7   | 8.4     | 6.2    | 10.2   | 12.1   | 11.2   | 3.1    | 13.9    | 8.8    | 7.2    |
| COPPER                       |           | 2690  | J 51.8 | J 630  | J 48.7  | J 329  | J 64.7 | J 43.3 | J 82.2 | J 539  | J 60.6  | J 100  | J 66.9 |
| IRON                         | 149000    | 24800 | 62900  | 22600  | 19600   | 27700  | 25100  | 91300  | 9580   | 22200  | 36100   | 27200  |        |
| LEAD                         |           | 383   | 143    | 1580   | 160     | 15600  | 159    | 22.8   | 531    | 122    | 869     | 538    | 486    |
| MAGNESIUM                    |           | 8490  | 8430   | 9660   | 8590    | 22600  | 7410   | 8990   | 8110   | 18800  | 8150    | 5020   | 11400  |
| MANGANESE                    | 2900      | 1580  | 333    | 1300   | 483     | 1260   | 516    | 768    | 1150   | 84.7   | 496     | 666    | 1930   |
| MERCURY                      | 170       | 0.21  | 0.80   | 0.45   | 0.080   | 0.070  | 0.69   | 0.060  | U 0.45 | 0.090  | U 0.61  | 0.35   | 0.32   |
| NICKEL                       | 12000     | 558   | 33.3   | 78.1   | 25.1    | 98.6   | 32.5   | 42.1   | 43.0   | 11.0   | 30.0    | 34.5   | 66.8   |
| POTASSIUM                    |           | 777   | J 2090 | J 2460 | J 2050  | J 2170 | J 2100 | J 3870 | J 2290 | J 1680 | J 2410  | J 2090 | J 1410 |
| SELENIUM                     | 2900      | 2.0   | 2.1    | 1.5    | 1.3     | 1.3    | U 2.2  | 2.6    | 2.3    | 1.8    | U 1.9   | 1.8    | 1.2    |
| SILVER                       | 2900      | 4.5   | 1.6    | 5.2    | 0.94    | 4.0    | 1.9    | 0.52   | 2.8    | 0.71   | 2.5     | 1.3    | 1.1    |
| SODIUM                       |           | 405   | 449    | 869    | 410     | 783    | 481    | 447    | 541    | 1150   | 389     | 663    | 366    |
| VANADIUM                     | 4100      | 33.9  | 32.1   | 28.8   | 23.3    | 21.3   | 30.5   | 23.3   | 28.5   | 40.4   | 29.5    | 34.2   | 22.1   |
| ZINC                         | 170000    | 1690  | 791    | 3200   | J 1220  | 7180   | J 894  | 153    | 891    | 39.0   | 7590    | J 1980 | 755    |
| CYANIDE                      | 12000     | 0.14  | R 0.14 | R 0.15 | J 0.12  | R 0.72 | J 0.14 | R 0.12 | R 0.96 | J 0.18 | R 0.13  | R 0.30 | J 0.12 |

The volatiles, semi-volatiles and pesticides/pcbs are shown in parts per billion.

The inorganics are shown in parts per million.

**Table 3 cont.**  
**Old LaSalle Dump Soil Sampling Analytical Results**

| SCDM Benchmark               |           | X137  | X138  | X139  | X140   | X141  | X142  | X143  | X144  | X145  | X146  | X147  |
|------------------------------|-----------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| <b>Volatiles</b>             |           |       |       |       |        |       |       |       |       |       |       |       |
| Vinyl Chloride               | 310       | 12    | U     | 19    | U      | 16    | U     | 14    | U     | 23    | U     | 14    |
| Bromomethane                 | 820000    | 12    | U     | 19    | U      | 16    | U     | 14    | U     | 23    | U     | 14    |
| Acetone                      | 58000000  | 35    | J     | 250   | J      | 75    | J     | 34    | J     | 130   | J     | 94    |
| Carbon Disulfide             | 58000000  | 2     | J     | 140   | 4      | J     | 2     | J     | 67    | 14    | U     | 14    |
| cis-1,2-Dichloroethene       |           | 12    | U     | 5     | J      | 5     | J     | 14    | U     | 23    | U     | 14    |
| 2-Butanone                   |           | 12    | U     | 58    | 15     | J     | 14    | U     | 23    | U     | 14    | U     |
| Benzene                      | 20000     | 4     | J     | 19    | UJ     | 16    | UJ    | 6     | J     | 23    | UJ    | 2     |
| Trichloroethene              |           | 25    |       | 19    | 2      | J     | 14    | U     | 23    | U     | 14    | U     |
| Methylcyclohexane            |           | 12    | U     | 19    | U      | 16    | U     | 14    | U     | 23    | U     | 14    |
| Toluene                      | 120000000 | 12    | U     | 19    | U      | 16    | UJ    | 14    | U     | 3     | J     | 2     |
| Tetrachloroethene            | 11000     | 12    | U     | 19    | U      | 16    | U     | 14    | U     | 23    | U     | 14    |
| Xylenes (total)              | 120000000 | 12    | UJ    | 19    | UJ     | 16    | UJ    | 14    | UJ    | 23    | UJ    | 11    |
| <b>Semi-Volatiles</b>        |           |       |       |       |        |       |       |       |       |       |       |       |
| Benzaldehyde                 | 410       | U     | 500   | U     | 510    | U     | 460   | U     | 57    | J     | 27    | J     |
| Acetophenone                 | 14        | J     | 18    | J     | 510    | U     | 26    | J     | 540   | U     | 420   | U     |
| 4-Methylphenol               | 410       | U     | 41    | J     | 510    | U     | 460   | U     | 540   | U     | 420   | U     |
| Naphthalene                  | 21        | J     | 500   | U     | 510    | U     | 460   | U     | 540   | U     | 15    | J     |
| 2-Methylnaphthalene          | 36        | J     | 36    | J     | 17     | J     | 37    | J     | 540   | U     | 15    | J     |
| 1,1'-Biphenyl                | 410       | U     | 500   | U     | 510    | U     | 16    | J     | 540   | U     | 420   | U     |
| 2-Chloronaphthalene          | 47000000  | 410   | U     | 500   | U      | 510   | U     | 23    | J     | 540   | U     | 420   |
| Acenaphthylene               | 26        | J     | 38    | J     | 55     | J     | 30    | J     | 39    | J     | 23    | J     |
| Dibenzofuran                 |           | 22    | J     | 17    | J      | 510   | U     | 29    | J     | 540   | U     | 21    |
| Fluorene                     | 23000000  | 30    | J     | 22    | J      | 20    | J     | 29    | J     | 540   | U     | 29    |
| Hexachlorobenzene            | 360       | 18    | J     | 500   | U      | 510   | U     | 460   | U     | 540   | U     | 420   |
| Phenanthrene                 |           | 280   | J     | 120   | J      | 74    | J     | 500   | 48    | J     | 530   | 150   |
| Anthracene                   | 170000000 | 61    | J     | 42    | J      | 55    | J     | 100   | J     | 37    | J     | 150   |
| Carbazole                    | 32        | J     | 23    | J     | 510    | U     | 88    | J     | 540   | U     | 38    | J     |
| Fluoranthene                 |           | 440   | 180   | J     | 170    | J     | 990   | 160   | J     | 1400  | 110   | J     |
| Pyrene                       | 17000000  | 410   | 190   | J     | 200    | J     | 1400  | 190   | J     | 930   | 130   | J     |
| Benzo(a)anthracene           |           | 230   | J     | 120   | J      | 150   | J     | 700   | 99    | J     | 900   | 60    |
| Chrysene                     |           | 280   | J     | 200   | J      | 240   | J     | 780   | 130   | J     | 1100  | 73    |
| bis(2-Ethylhexyl)phthalate   | 42000     | 410   | U     | 500   | U      | 760   | U     | 460   | U     | 540   | U     | 5300  |
| Benzo(b)fluoranthene         |           | 260   | J     | 180   | J      | 210   | J     | 1100  | J     | 88    | J     | 1300  |
| Benzo(k)fluoranthene         |           | 220   | J     | 150   | J      | 170   | J     | 900   | J     | 80    | J     | 1100  |
| Benzo(a)pyrene               | 80        | 230   | J     | 150   | J      | 190   | J     | 910   | J     | 110   | J     | 1100  |
| Indeno(1,2,3-cd)pyrene       |           | 140   | J     | 120   | J      | 140   | J     | 640   | J     | 48    | J     | 710   |
| Dibenzo(a,h)anthracene       |           | 52    | J     | 41    | J      | 50    | J     | 200   | J     | 540   | U     | 280   |
| Benzo(g,h,i)perylene         |           | 100   | J     | 110   | J      | 150   | J     | 610   | J     | 540   | U     | 660   |
| <b>Pesticides/PCBs</b>       |           |       |       |       |        |       |       |       |       |       |       |       |
| alpha-BHC                    |           | 82    | J     | 6.5   | 24     | 88    | 2.8   | U     | 12    | J     | 18    | 690   |
| beta-BHC                     |           | 26    | J     | 6.3   | 2.6    | U     | 4.8   | U     | 2.8   | U     | 18    | J     |
| Heptachlor                   | 130       | 2.1   | U     | 6.8   | J      | 24    | 4.8   | U     | 2.8   | U     | 2.2   | U     |
| Endosulfan I                 | 3500000   | 2.1   | U     | 2.6   | U      | 2.6   | U     | 4.8   | U     | 2.8   | U     | 2.2   |
| Dieldrin                     | 36        | 4.1   | U     | 5.0   | UJ     | 7.4   | 9.3   | U     | 4.8   | J     | 4.2   | U     |
| 4,4'-DDE                     | 1700      | 4.1   | U     | 5.0   | U      | 12    | 9.3   | U     | 3.1   | J     | 150   | J     |
| Endosulfan II                | 3500000   | 4.1   | U     | 5.0   | U      | 5.1   | U     | 9.3   | U     | 5.4   | U     | 4.2   |
| Endosulfan sulfate           |           | 4.1   | U     | 5.0   | U      | 5.1   | U     | 9.3   | U     | 5.4   | U     | 4.6   |
| Aroclor-1016                 | 76        | 41    | U     | 50    | U      | 51    | U     | 93    | U     | 54    | U     | 42    |
| Aroclor-1221                 | 76        | 84    | U     | 100   | U      | 100   | U     | 190   | U     | 110   | U     | 86    |
| Aroclor-1232                 | 76        | 41    | U     | 50    | U      | 51    | U     | 93    | U     | 54    | U     | 42    |
| Aroclor-1242                 | 76        | 41    | U     | 50    | U      | 51    | U     | 93    | U     | 400   | U     | 42    |
| Aroclor-1248                 | 76        | 41    | U     | 50    | U      | 51    | U     | 28000 | 54    | U     | 1800  | J     |
| Aroclor-1254                 | 76        | 3500  | J     | 220   | 51     | U     | 93    | U     | 54    | U     | 3200  | 71000 |
| Aroclor-1260                 | 76        | 41    | U     | 50    | U      | 51    | U     | 93    | U     | 54    | U     | 460   |
| Dioxins (Total Toxicity Equ) |           |       |       |       |        |       |       |       |       |       | 1.4   | 5.2   |
| <b>Inorganics</b>            |           |       |       |       | X140   |       |       |       |       |       |       |       |
| ALUMINUM                     |           | 8790  | 15300 | 15300 | 121000 | 9740  | 10900 | 3760  | 14300 | 16100 | 15800 | 16400 |
| ANTIMONY                     | 230       | 0.77  | UJ    | 0.98  | UJ     | 1.1   | J     | 1.6   | J     | 0.98  | U     | 2.6   |
| ARSENIC                      |           | 18.4  | J     | 10.5  | J      | 10.4  | J     | 7.3   | J     | 11.6  | 13.9  | 10.3  |
| BARIUM                       | 41000     | 359   |       | 198   |        | 182   |       | 721   |       | 80.4  | 246   | 53.1  |
| BERYLLIUM                    |           | 0.83  |       | 0.88  |        | 0.77  |       | 0.86  |       | 0.72  | B     | 0.91  |
| CADMIUM                      | 290       | 3.3   |       | 6.6   |        | 7.2   |       | 3.3   |       | 2.1   | 7.5   | 1.2   |
| CALCIUM                      | 82900     | 15000 |       | 16200 |        | 36700 |       | 58200 |       | 55600 | 57400 | 64800 |
| CHROMIUM                     | 2900      | 24.5  |       | 48.7  |        | 68.1  |       | 69.1  |       | 22.7  | 22.6  | 10.1  |
| COBALT                       |           | 7.7   |       | 9.4   |        | 8.4   |       | 6.2   |       | 13    | B     | 12.1  |
| COPPER                       |           | 70.5  | J     | 52.8  | J      | 66.3  | J     | 96.9  | J     | 41    | 374   | 17.2  |
| IRON                         | 36200     | 27400 |       | 24400 |        | 13600 |       | 37100 |       | 27300 | 15200 | 28400 |
| LEAD                         |           | 363   |       | 112   |        | 155   |       | 1870  |       | 40.9  | 673   | 31.0  |
| MAGNESIUM                    |           | 7230  |       | 8130  |        | 9840  |       | 4200  |       | 17200 | 10300 | 16000 |
| MANGANESE                    | 2900      | 3210  | J     | 631   |        | 424   |       | 786   |       | 892   | 769   | 471   |
| MERCURY                      | 170       | 0.26  |       | 0.41  |        | 0.76  |       | 0.080 | U     | 0.08  | U     | 0.24  |
| NICKEL                       | 12000     | 73.8  |       | 33.2  |        | 34.6  |       | 32.1  |       | 39.9  | 80.7  | 18.8  |
| POTASSIUM                    | 1380      | J     | 2190  | J     | 2470   | J     | 1290  | J     | 1990  |       | 2300  | 857   |
| SELENIUM                     | 2900      | 1.3   |       | 1.5   | U      | 2.0   |       | 1.5   | U     | 3.3   | 1.8   | 1.4   |
| SILVER                       | 2900      | 1.4   |       | 1.3   |        | 2.1   |       | 0.54  | 1     | B     | 0.9   | 0.30  |
| SODIUM                       |           | 318   |       | 456   |        | 470   |       | 2290  |       | 475   | 463   | 422   |
| VANADIUM                     | 4100      | 26.5  |       | 30.8  |        | 33.0  |       | 89.2  |       | 30.5  | 22.5  | 19.6  |
| ZINC                         | 170000    | 561   |       | 787   |        | 631   |       | 792   |       | 204   | 1120  | 98.3  |
| CYANIDE                      | 12000     | 0.12  | R     | 0.15  | R      | 0.14  | R     | 0.15  | U     | 0.12  | U     | 0.14  |

The volatiles, semi-volatiles and pesticides/pcbs are shown in parts per billion.  
The inorganics are shown in parts per million.

**Table 3 cont.**  
**Old LaSalle Dump Soil Sampling Analytical Results**

| SCDM<br>Benchmark            |           | X148  | X149 | X150  | X151 | X152  | X153 | X154  | X155    | X156  | X157  |
|------------------------------|-----------|-------|------|-------|------|-------|------|-------|---------|-------|-------|
| <b>Volatiles</b>             |           |       |      |       |      |       |      |       |         |       |       |
| Vinyl Chloride               | 310       | 13    | U    | 85    | U    | 13    | U    | 14    | U       | 16    | UJ    |
| Bromomethane                 | 820000    | 34    | U    | 85    | U    | 13    | U    | 14    | U       | 360   | J     |
| Acetone                      | 58000000  | 70    | J    | 92    | J    | 13    | UJ   | 57    | J       | 220   | J     |
| Carbon Disulfide             | 58000000  | 3     | J    | 85    | U    | 3     | J    | 14    | U       | 11    | J     |
| cis-1,2-Dichloroethene       |           | 10    | J    | 85    | U    | 13    | U    | 14    | U       | 2     | J     |
| 2-Butanone                   |           | 13    | U    | 85    | U    | 13    | U    | 14    | U       | 28    | J     |
| Benzene                      | 20000     | 17    | J    | 85    | UJ   | 13    | UJ   | 2     | J       | 68    | J     |
| Trichloroethene              |           | 120   |      | 85    | U    | 13    | U    | 1     | J       | 8     | J     |
| Methylcyclohexane            |           | 13    | U    | 85    | U    | 13    | U    | 14    | U       | 16    | UJ    |
| Toluene                      | 120000000 | 10    | J    | 85    | UJ   | 13    | UJ   | 2     | J       | 44    | J     |
| Tetrachloroethene            | 11000     | 66    |      | 85    | U    | 13    | U    | 4     | J       | 28    | J     |
| Xylenes (total)              | 120000000 | 7     | J    | 15    | J    | 13    | UJ   | 14    | UJ      | 5     | J     |
| <b>Semi-Volatiles</b>        |           |       |      |       |      |       |      |       |         |       |       |
| Benzaldehyde                 |           | 430   | U    | 32    | J    | 1300  |      | 460   | U       | 2400  | U     |
| Acetophenone                 |           | 430   | U    | 560   | U    | 880   |      | 460   | U       | 2400  | U     |
| 4-Methylphenol               |           | 430   | U    | 560   | U    | 430   | U    | 460   | U       | 2400  | U     |
| Naphthalene                  |           | 63    | J    | 560   | U    | 110   | J    | 460   | U       | 2400  | U     |
| 2-Methylnaphthalene          |           | 38    | J    | 560   | U    | 64    | J    | 460   | U       | 2400  | U     |
| 1,1'-Biphenyl                |           | 15    | J    | 560   | U    | 140   | J    | 460   | U       | 74    | J     |
| 2-Chloronaphthalene          | 47000000  | 430   | U    | 87    | J    | 430   | U    | 460   | U       | 2400  | U     |
| Acenaphthylene               |           | 27    | J    | 41    | J    | 240   | J    | 19    | J       | 2400  | U     |
| Dibenzofuran                 |           | 45    | J    | 560   | U    | 27    | J    | 460   | U       | 2400  | U     |
| Fluorene                     | 23000000  | 59    | J    | 560   | U    | 53    | J    | 460   | U       | 2400  | U     |
| Hexachlorobenzene            | 360       | 430   | U    | 560   | U    | 430   | U    | 460   | U       | 150   | J     |
| Phenanthrene                 |           | 930   |      | 63    | J    | 930   |      | 35    | J       | 2400  | U     |
| Anthracene                   | 170000000 | 250   | J    | 57    | J    | 310   | J    | 25    | J       | 2400  | U     |
| Carbazole                    |           | 130   | J    | 560   | U    | 430   | U    | 460   | U       | 2400  | U     |
| Fluoranthene                 |           | 2200  |      | 150   | J    | 1300  |      | 62    | J       | 2400  | U     |
| Pyrene                       | 17000000  | 1800  |      | 220   | J    | 1300  |      | 61    | J       | 2400  | U     |
| Benzo(a)anthracene           |           | 1300  |      | 95    | J    | 1200  |      | 51    | J       | 2400  | U     |
| Chrysene                     |           | 1400  |      | 140   | J    | 1100  |      | 73    | J       | 2400  | U     |
| bis(2-Ethylhexyl)phthalate   | 42000     | 430   | U    | 560   | U    | 430   | U    | 590   | U       | 2400  | U     |
| Benzo(b)fluoranthene         |           | 1800  |      | 110   | J    | 1600  |      | 70    | J       | 160   | J     |
| Benzo(k)fluoranthene         |           | 1100  |      | 120   | J    | 920   |      | 56    | J       | 2400  | U     |
| Benzo(a)pyrene               | 80        | 1400  |      | 140   | J    | 1200  |      | 62    | J       | 2400  | U     |
| Indeno(1,2,3-cd)pyrene       |           | 1100  | J    | 97    | J    | 740   | J    | 50    | J       | 2400  | U     |
| Dibenzo(a,h)anthracene       |           | 300   | J    | 44    | J    | 290   | J    | 460   | U       | 2400  | U     |
| Benzo(g,h,i)perylene         |           | 1200  |      | 110   | J    | 610   |      | 60    | J       | 2400  | U     |
| <b>Pesticides/PCBs</b>       |           |       |      |       |      |       |      |       |         |       |       |
| alpha-BHC                    |           | 230   | J    | 48    |      | 1100  | J    | 50    | 6100    | J     | 1400  |
| beta-BHC                     |           | 44    | U    | 2.9   | U    | 22    | U    | 2.4   | U       | 1300  | U     |
| Heptachlor                   | 130       | 44    | U    | 2.9   | U    | 22    | U    | 2.4   | U       | 1300  | U     |
| Endosulfan I                 | 3500000   | 44    | U    | 2.9   | U    | 22    | U    | 2.4   | U       | 1300  | U     |
| Dieldrin                     | 36        | 86    | U    | 5.6   | U    | 43    | U    | 4.6   | U       | 2400  | U     |
| 4,4'-DDE                     | 1700      | 86    | U    | 5.6   | U    | 43    | U    | 4.6   | U       | 2400  | U     |
| Endosulfan II                | 3500000   | 86    | U    | 5.6   | U    | 43    | U    | 4.6   | U       | 2400  | U     |
| Endosulfan sulfate           |           | 86    | U    | 5.6   | U    | 43    | U    | 4.6   | U       | 2400  | U     |
| Aroclor-1016                 | 76        | 860   | U    | 56    | U    | 430   | U    | 46    | U       | 24000 | U     |
| Aroclor-1221                 | 76        | 1700  | U    | 110   | U    | 880   | U    | 93    | U       | 49000 | U     |
| Aroclor-1232                 | 76        | 860   | U    | 56    | U    | 430   | U    | 46    | U       | 24000 | U     |
| Aroclor-1242                 | 76        | 860   | U    | 56    | U    | 430   | U    | 46    | U       | 24000 | U     |
| Aroclor-1248                 | 76        | 41000 | J    | 4500  |      | 83000 | J    | 7600  | 3300000 | J     | 28000 |
| Aroclor-1254                 | 76        | 860   | U    | 56    | U    | 430   | U    | 46    | U       | 24000 | U     |
| Aroclor-1260                 | 76        | 11000 | J    | 170   |      | 3000  | J    | 260   | 120000  | J     | 21000 |
| Dioxins (Total Toxicity Equ) |           | 282.3 |      |       |      | 1.7   |      |       | 0.9     |       | 1.9   |
| <b>Inorganics</b>            |           |       |      |       |      |       |      |       |         |       |       |
| ALUMINUM                     |           | 11700 |      | 16900 |      | 9880  |      | 14800 |         | 69000 |       |
| ANTIMONY                     | 230       | 7.3   | J    | 1.0   | UJ   | 2.9   | J    | 1.9   | J       | 13.9  | J     |
| ARSENIC                      |           | 35.4  |      | 6.7   |      | 14.5  |      | 8.7   |         | 20.0  |       |
| BARIUM                       | 41000     | 777   | J    | 208   | J    | 461   | J    | 230   | J       | 803   | J     |
| BERYLLIUM                    |           | 0.94  |      | 0.83  |      | 0.73  |      | 0.77  |         | 0.58  |       |
| CADMIUM                      | 290       | 26.4  | J    | 11.9  | J    | 57.7  | J    | 10.4  | J       | 14.6  | J     |
| CALCIUM                      |           | 50500 |      | 17000 |      | 81000 |      | 15300 |         | 26300 |       |
| CHROMIUM                     | 2900      | 59.3  | J    | 81.8  | J    | 42.4  | J    | 43.0  | J       | 77.2  | J     |
| COBALT                       |           | 11.5  |      | 8.8   |      | 6.6   |      | 8.7   |         | 6.5   |       |
| COPPER                       |           | 1310  | J    | 78.9  | J    | 169   | J    | 65.5  | J       | 545   | J     |
| IRON                         |           | 86800 |      | 25900 |      | 20100 |      | 24100 |         | 93100 |       |
| LEAD                         |           | 1570  |      | 150   |      | 1110  |      | 207   |         | 1870  |       |
| MAGNESIUM                    |           | 9910  |      | 8230  |      | 36200 |      | 8040  |         | 3310  |       |
| MANGANESE                    | 2900      | 737   |      | 372   |      | 1040  |      | 582   |         | 759   |       |
| MERCURY                      | 170       | 0.93  |      | 0.84  |      | 0.40  |      | 0.71  |         | 0.30  |       |
| NICKEL                       | 12000     | 135   |      | 34.9  |      | 31.9  |      | 35.7  |         | 88.7  |       |
| POTASSIUM                    |           | 1480  |      | 2810  |      | 1370  |      | 2080  |         | 1190  |       |
| SELENIUM                     | 2900      | 1.2   | U    | 1.7   | J    | 1.2   | U    | 1.3   | U       | 1.5   | U     |
| SILVER                       | 2900      | 13.9  |      | 2.3   |      | 1.4   |      | 1.3   |         | 4.9   |       |
| SODIUM                       |           | 655   |      | 531   |      | 603   |      | 398   |         | 602   |       |
| VANADIUM                     | 4100      | 23.5  |      | 33.4  |      | 22.3  |      | 30.6  |         | 23.4  |       |
| ZINC                         | 170000    | 2130  |      | 848   |      | 1190  |      | 1090  |         | 6890  |       |
| CYANIDE                      | 12000     | 0.12  | R    | 0.16  | R    | 0.12  | R    | 0.13  | R       | 0.24  | J     |

The volatiles, semi-volatiles and pesticides/pcbs are shown in parts per billion.  
The inorganics are shown in parts per million.

**Table 4**  
**Huse Lake Sediment Sample Analytical Results**

| Ecological Benchmark   | X201  | X202  | X203    | X204   | X205    | X206    | X207   | X208    | X209    | X210   | X211   | X212   | X213    | X214    |          |
|------------------------|-------|-------|---------|--------|---------|---------|--------|---------|---------|--------|--------|--------|---------|---------|----------|
| <b>Pesticides/Pcbs</b> |       |       |         |        |         |         |        |         |         |        |        |        |         |         |          |
| alpha-BHC              | 6     | 55    | 53      | 120    | 150     | 140     | 41     | 25      | 13      | 5.9    | 7.5    | 6.3    | 58      | 110     | 4.3      |
| beta-BHC               | 5     | 54    | 4.0     | U 130  | 140     | 4.5     | U 4.0  | U 3.6   | U 3.5   | U 3.3  | U 6.1  | 3.7    | J 4.0   | U 3.5   | U 2.7    |
| gamma-BHC (Lindane)    | 3.7   | 11    | 4.0     | U 140  | 310     | 63      | 24     | 8.0     | 4.6     | 3.3    | U 3.3  | 3.7    | U 4.0   | U 3.5   | U 2.7    |
| Heptachlor             |       | 3.5   | U 4.0   | U 4.2  | U 5.0   | U 4.5   | U 4.0  | U 3.6   | U 3.5   | U 3.3  | U 3.3  | 3.7    | U 4.0   | U 3.5   | U 2.7    |
| Aldrin                 | 2     | 3.5   | U 4.0   | U 4.2  | U 5.0   | U 4.5   | U 4.0  | U 3.6   | U 3.5   | U 3.3  | U 3.3  | 3.7    | U 4.0   | U 3.5   | U 2.7    |
| Dieldrin               | 2     | 6.9   | U 7.7   | U 8.1  | U 9.7   | U 8.7   | U 7.7  | U 7.0   | U 6.7   | U 6.5  | U 6.4  | U 7.2  | U 7.7   | U 6.9   | U 5.2    |
| Endrin                 | 3     | 6.9   | U 7.7   | U 8.1  | U 9.7   | U 8.7   | U 7.7  | U 7.0   | U 6.7   | U 6.5  | U 6.4  | U 7.2  | U 7.7   | U 6.9   | U 5.2    |
| 4,4'-DDT               | 7     | 6.9   | U 7.7   | U 8.1  | U 9.7   | U 8.7   | U 7.7  | U 7.0   | U 6.7   | U 6.5  | U 6.4  | U 7.2  | U 7.7   | U 6.9   | U 5.2    |
| Methoxychlor           | 19    | 35    | U 40    | U 350  | 50      | U 45    | U 40   | U 36    | U 35    | U 33   | U 33   | U 37   | U 40    | U 35    | U 27     |
| Aroclor-1016           | 7     | 69    | U 77    | U 80   | U 97    | U 87    | U 77   | U 70    | U 67    | U 65   | U 63   | U 72   | U 77    | U 69    | U 52     |
| Aroclor-1221           |       | 140   | U 160   | U 160  | U 200   | U 180   | U 160  | U 140   | U 140   | U 130  | U 150  | U 160  | U 140   | U 100   | U        |
| Aroclor-1232           |       | 69    | U 77    | U 80   | U 97    | U 87    | U 77   | U 70    | U 67    | U 65   | U 63   | U 72   | U 77    | U 69    | U 52     |
| Aroclor-1242           |       | 69    | U 77    | U 80   | U 97    | U 87    | U 77   | U 70    | U 67    | U 65   | U 63   | U 72   | U 5200  | 4700    | 52       |
| Aroclor-1248           | 30    | 3300  | 4600    | 13000  | 15000   | 9900    | 3200   | 2700    | 870     | 320    | 480    | 370    | 77      | U 69    | U 160    |
| Aroclor-1254           | 60    | 5100  | 4100    | 13000  | 10000   | 4400    | 2800   | 2900    | 950     | 440    | 680    | 1300   | 4100    | 1400    | 660      |
| Aroclor-1260           | 5     | 69    | U 77    | U 80   | U 97    | U 87    | U 77   | U 70    | U 67    | U 65   | U 63   | U 72   | U 77    | U 69    | U 52     |
| <b>Inorganics</b>      |       |       |         |        |         |         |        |         |         |        |        |        |         |         |          |
| ALUMINUM               |       | 22400 | 19500   | 20500  | 21100   | 19600   | 21700  | 20700   | 22100   | 15900  | 18300  | 18400  | 22000   | 21900   | 19100    |
| ANTIMONY               |       | 1.3   | UJ 1.4  | UJ 1.7 | J 3.8   | J 1.4   | UJ 1.5 | J 1.2   | UJ 1.3  | J 1.9  | J 1.1  | UJ 1.3 | UJ 1.3  | J 1.3   | J        |
| ARSENIC                | 6     | 14.3  | 11.4    | 15.2   | 14.7    | 14.6    | 16.4   | 11.9    | 10.7    | 10.1   | 9.3    | 10.6   | 12.0    | 9.9     | 8.9      |
| BARIUM                 |       | 187   | 206     | 199    | 232     | 188     | 200    | 194     | 183     | 144    | 175    | 185    | 208     | 202     | 181      |
| BERYLLIUM              |       | 1.1   | 1.0     | 1.0    | 1.1     | 1.0     | 1.1    | 1.1     | 1.0     | 0.82   | 0.96   | 0.96   | 1.1     | 1.0     | 0.97     |
| CADMIUM                | 0.6   | 5.0   | 5.5     | 6.2    | 13.6    | 5.9     | 9.2    | 7.0     | 4.8     | 4.0    | 6.2    | 6.5    | 5.9     | 5.9     | 5.3      |
| CALCIUM                |       | 41600 | 46500   | 33800  | 19200   | 31500   | 29200  | 25900   | 31600   | 23600  | 18700  | 33600  | 29900   | 22200   | 12600    |
| CHROMIUM               |       | 42.9  | J 41.3  | J 42.1 | J 47.2  | J 42.9  | J 43.4 | J 51.1  | J 43.9  | J 37.8 | J 45.7 | J 43.6 | J 43.5  | J 43.6  | J 42.6   |
| COBALT                 | 50    | 10.4  | 10.4    | 10.6   | 10.4    | 11.6    | 11.2   | 11.4    | 10.4    | 10.4   | 10.7   | 11.8   | 10.8    | 10.7    | 8.7      |
| COPPER                 | 16    | 47.5  | J 53.4  | J 87.0 | J 89.4  | J 81.5  | J 66.9 | J 62.3  | J 50.7  | J 40.5 | J 51.6 | J 53.3 | J 54.1  | J 58.5  | J 41.1   |
| IRON                   | 20000 | 35800 | 36300   | 37700  | 42000   | 37400   | 34700  | 31600   | 31800   | 26000  | 29200  | 31100  | 36600   | 33500   | 25500    |
| LEAD                   | 31    | 77.1  | 139     | 159    | 176     | 117     | 125    | 110     | 70.0    | 55.1   | 84.2   | 79.0   | 128     | 97.3    | 86.8     |
| MAGNESIUM              |       | 9490  | 8940    | 8420   | 8130    | 8360    | 9100   | 9330    | 9910    | 8650   | 9350   | 11200  | 8450    | 7990    | 8130     |
| MANGANESE              | 460   | 782   | J 894   | J 774  | J 866   | J 885   | J 728  | J 599   | J 676   | J 573  | J 629  | J 970  | J 791   | J 651   | J 436    |
| MERCURY                | 0.2   | 0.20  | 0.23    | 0.22   | 0.35    | 0.25    | 0.34   | 0.34    | 0.18    | 0.22   | 0.31   | 0.29   | 0.23    | 0.24    | 0.50     |
| NICKEL                 | 16    | 37.2  | J 36.7  | J 43.8 | J 54.6  | J 44.7  | J 40.0 | J 43.9  | J 36.4  | J 31.1 | J 39.6 | J 37.6 | J 44.6  | J 41.4  | J 30.3   |
| POTASSIUM              |       | 3630  | 3010    | 3310   | 3150    | 3140    | 3530   | 3180    | 3590    | 2680   | 2620   | 2950   | 3240    | 3030    | 2690     |
| SELENIUM               |       | 1.6   | 1.7     | 1.9    | 1.8     | 2.0     | 1.4    | U 1.4   | U 1.4   | 1.5    | 1.6    | 1.5    | U 1.6   | 1.4     | U 1.1    |
| SILVER                 | 0.5   | 2.6   | 2.3     | 2.5    | 2.8     | 2.3     | 2.4    | 2.4     | 2.0     | 2.5    | 2.2    | 2.5    | 2.4     | 2.1     | 1.8      |
| SODIUM                 |       | 436   | 405     | 376    | 324     | 419     | 352    | 361     | 306     | 474    | 390    | 442    | 450     | 443     | 316      |
| VANADIUM               |       | 48.7  | 44.3    | 46.7   | 46.8    | 47.2    | 47.7   | 43.8    | 44.7    | 36.1   | 41.9   | 42.0   | 50.5    | 46.7    | 38.7     |
| ZINC                   | 120   | 643   | 628     | 830    | 1080    | 710     | 1260   | 857     | 548     | 437    | 619    | 604    | 787     | 652     | 850      |
| CYANIDE                | 0.1   | 0.12  | UJ 0.18 | J 0.13 | UJ 0.12 | UJ 0.15 | J 0.12 | UJ 0.11 | UJ 0.14 | J 0.19 | J 0.11 | J 0.12 | UJ 0.12 | UJ 0.11 | UJ 0.090 |

The Pesticides/PCBs are shown in parts per billion.

The Inorganics are shown in parts per million.

**Table 4**  
**Huse Lake Sediment Sample Analytical Results**

| Ecological Benchmark   | X215  | X216  | X217     | X218     | X219    | X220    | X221    | X222   | X223   | X224   | X225   | X226   | X227   | X228   |        |
|------------------------|-------|-------|----------|----------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Pesticides/Pcbs</b> |       |       |          |          |         |         |         |        |        |        |        |        |        |        |        |
| alpha-BHC              | 6     | 6.2   | 4.6      | 6.3      | 8.5     | 29      | 19      | 21     | 23     | 7.1    | J 20   | 9.7    | 7.6    | 6.8    | 5.2    |
| beta-BHC               | 5     | 3.0   | U 2.8    | U 3.0    | U 41    | 3.7     | U 4.2   | U 3.7  | U 4.1  | U 6.2  | J 32   | 16     | 6.9    | 12     | 4.6    |
| gamma-BHC (Lindane)    | 3.7   | 3.0   | U 2.8    | U 3.0    | U 8.1   | 7.5     | 4.2     | U 5.3  | 6.4    | 3.3    | UJ 6.6 | 3.9    | 3.1    | U 3.5  | U 3.3  |
| Heptachlor             |       | 3.0   | U 2.8    | U 3.0    | U 2.9   | U 3.7   | U 4.2   | U 3.7  | U 4.1  | U 3.3  | UJ 3.3 | U 3.2  | U 3.1  | U 3.5  | U 3.3  |
| Aldrin                 | 2     | 3.0   | U 2.8    | U 3.0    | U 2.9   | U 3.7   | U 4.2   | U 3.7  | U 4.1  | U 3.3  | UJ 3.3 | U 3.2  | U 3.1  | U 3.5  | U 3.3  |
| Dieldrin               | 2     | 5.8   | U 5.5    | U 5.9    | U 5.7   | U 7.2   | U 8.1   | U 7.2  | U 7.9  | U 6.4  | UJ 6.4 | U 6.1  | U 6.0  | U 6.7  | U 6.4  |
| Endrin                 | 3     | 5.8   | U 5.5    | U 5.9    | U 5.7   | U 7.2   | U 8.1   | U 7.2  | U 7.9  | U 6.4  | UJ 6.4 | U 6.1  | U 6.0  | U 6.7  | U 6.4  |
| 4,4'-DDT               | 7     | 5.8   | U 5.5    | UJ 5.9   | U 5.7   | U 7.2   | U 8.1   | U 7.2  | U 7.9  | U 6.4  | UJ 6.4 | U 6.1  | U 6.0  | U 6.7  | U 6.4  |
| Methoxychlor           | 19    | 30    | U 28     | U 30     | U 29    | U 37    | U 41    | U 37   | U 40   | U 33   | UJ 33  | U 31   | U 31   | U 35   | U 33   |
| Aroclor-1016           | 7     | 58    | U 55     | U 59     | U 57    | U 72    | U 80    | U 72   | U 79   | U 63   | UJ 63  | U 61   | U 60   | U 67   | U 63   |
| Aroclor-1221           | 120   | U 110 | U 120    | U 120    | U 150   | U 160   | U 150   | U 160  | U 130  | UJ 130 | U 120  | U 120  | U 140  | U 130  |        |
| Aroclor-1232           | 58    | U 55  | U 59     | U 57     | U 72    | U 80    | U 72    | U 79   | U 63   | UJ 63  | U 61   | U 60   | U 67   | U 63   |        |
| Aroclor-1242           | 58    | U 55  | U 59     | U 57     | U 72    | U 80    | U 72    | U 79   | U 63   | UJ 63  | U 61   | U 60   | U 67   | U 63   |        |
| Aroclor-1248           | 30    | 770   | 290      | 570      | 720     | 2000    | 880     | 1100   | 1100   | 300    | J 1300 | 690    | 340    | 760    | 250    |
| Aroclor-1254           | 60    | 570   | 370      | 1100     | 1400    | 2500    | 1300    | 1600   | 1500   | 430    | J 1300 | 620    | 480    | 1000   | 380    |
| Aroclor-1260           | 5     | 58    | U 55     | U 59     | U 57    | U 72    | U 80    | U 72   | U 79   | U 63   | UJ 63  | U 61   | U 60   | U 67   | U 63   |
| <b>Inorganics</b>      |       |       |          |          |         |         |         |        |        |        |        |        |        |        |        |
| ALUMINUM               |       | 13600 | 17000    | 17200    | 21600   | 21800   | 20700   | 20600  | 19200  | 21900  | 18400  | 18200  | 18200  | 18900  | 19700  |
| ANTIMONY               |       | 1.1   | J 1.8    | J 1.0    | UJ 1.2  | UJ 1.5  | UJ 1.3  | J 1.3  | UJ 1.3 | UJ 1.3 | UJ 1.2 | UJ 1.1 | UJ 1.2 | J 1.1  | UJ 1.1 |
| ARSENIC                | 6     | 7.6   | 13.2     | 8.6      | 11.8    | 12.3    | 9.6     | 14.1   | 8.3    | 7.8    | 8.6    | 7.8    | 7.4    | 10.0   | 6.1    |
| BARIUM                 |       | 133   | 184      | 171      | 202     | 200     | 195     | 273    | 174    | 185    | 160    | 187    | 166    | 210    | 182    |
| BERYLLIUM              |       | 0.77  | 0.90     | 1.0      | 1.2     | 0.99    | 1.0     | 1.2    | 0.93   | 1.0    | 0.89   | 0.93   | 0.91   | 1.1    | 1.0    |
| CADMIUM                | 0.6   | 2.0   | 8.2      | 6.4      | 6.4     | 3.6     | 4.1     | 16.1   | 4.0    | 3.9    | 3.9    | 4.4    | 4.6    | 8.8    | 5.4    |
| CALCIUM                |       | 7530  | 19500    | 13500    | 16100   | 41500   | 32200   | 13400  | 38500  | 35200  | 32300  | 22800  | 28500  | 15900  | 21000  |
| CHROMIUM               |       | 25.7  | J 53.3   | J 36.4   | J 45.6  | J 41.4  | J 40.8  | 65.9   | 37.6   | 42.0   | 37.0   | 39.7   | 41.0   | 67.7   | 46.9   |
| COBALT                 | 50    | 11.0  | 10.0     | 10.3     | 12.0    | 10.5    | 10.3    | 11.3   | 9.9    | 10.4   | 9.7    | 10.0   | 10.0   | 11.4   | 10.8   |
| COPPER                 | 16    | 26.4  | J 51.1   | J 36.4   | J 43.1  | J 44.5  | J 47.0  | J 81.7 | J 44.3 | J 44.9 | J 42.4 | J 44.6 | J 46.6 | J 68.4 | J 49.8 |
| IRON                   | 20000 | 27500 | 25500    | 28200    | 33100   | 32000   | 31100   | 28600  | 29500  | 30900  | 27900  | 27900  | 27500  | 28300  | 29500  |
| LEAD                   | 31    | 28.2  | 110      | 83.8     | 113     | 65.7    | 74.9    | 187    | 60.2   | 63.4   | 55.7   | 65.9   | 57.3   | 121    | 74.0   |
| MAGNESIUM              |       | 5040  | 10000    | 7790     | 9160    | 9550    | 8380    | 6910   | 9450   | 9360   | 9150   | 8160   | 9180   | 8120   | 8460   |
| MANGANESE              | 460   | 552   | J 574    | J 583    | J 733   | J 732   | J 729   | J 438  | J 784  | J 737  | J 699  | J 642  | J 735  | J 620  | J 588  |
| MERCURY                | 0.2   | 0.11  | 0.51     | 0.60     | 0.59    | 0.12    | U 0.26  | 0.85   | 0.25   | 0.22   | 0.22   | 0.19   | 0.22   | 0.56   | 0.28   |
| NICKEL                 | 16    | 28.6  | J 38.2   | J 32.7   | J 38.9  | J 34.8  | J 38.4  | 54.5   | 33.4   | 35.7   | 32.1   | 36.4   | 34.3   | 52.7   | 43.3   |
| POTASSIUM              |       | 2290  | 2650     | 2260     | 2810    | 3490    | 3130    | 3110   | 3030   | 3600   | 2930   | 2680   | 2890   | 2620   | 2850   |
| SELENIUM               |       | 1.0   | U 1.4    | 1.7      | 2.4     | 1.7     | U 1.5   | 1.5    | U 1.7  | 1.5    | U 1.5  | 1.3    | U 1.3  | U 1.3  | U 1.3  |
| SILVER                 | 0.5   | 2.1   | 2.1      | 1.8      | 2.3     | 2.1     | 1.9     | 2.6    | 1.8    | 1.9    | 1.7    | 1.8    | 1.9    | 2.4    | 1.9    |
| SODIUM                 |       | 299   | 299      | 401      | 382     | 446     | 437     | 435    | 425    | 410    | 353    | 355    | 412    | 327    | 322    |
| VANADIUM               |       | 32.4  | 39.6     | 37.8     | 47.8    | 44.7    | 39.8    | 43.5   | 37.5   | 41.9   | 35.8   | 36.2   | 34.6   | 41.6   | 40.5   |
| ZINC                   | 120   | 277   | 585      | 1030     | 1130    | 535     | 603     | 1620   | 485    | 506    | 440    | 525    | 439    | 932    | 567    |
| CYANIDE                | 0.1   | 0.080 | UJ 0.090 | UJ 0.090 | UJ 0.11 | UJ 0.14 | UJ 0.11 | U 0.12 | U 0.18 | 0.12   | U 0.11 | 0.16   | J 0.12 | J 0.25 | J 0.23 |

The Pesticides/PCBs are shown in parts per billion.

The Inorganics are shown in parts per million.

**Table 4**  
**Huse Lake Sediment Sample Analytical Results**

| Ecological Benchmark   | X229  | X230  | X231  | X232  | X233  | X234  | X235  | X236  | X237  | X238  | X239  | X241  | X242  |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>Pesticides/Pcbs</b> |       |       |       |       |       |       |       |       |       |       |       |       |       |
| alpha-BHC              | 6     | 3.1   | 2.9   | U     | 3.4   | 31    | 28    | 21    | 13    | 6.2   | 4.2   | 2.8   | U     |
| beta-BHC               | 5     | 2.9   | U     | 2.9   | U     | 2.8   | 45    | 25    | 14    | 15    | 5.0   | 3.4   | 2.8   |
| gamma-BHC (Lindane)    | 3.7   | 2.9   | U     | 2.9   | U     | 2.8   | 8.8   | 5.0   | 3.9   | 3.6   | 3.2   | U     | 3.0   |
| Heptachlor             |       | 2.9   | U     | 2.9   | U     | 2.8   | 3.8   | U     | 3.5   | U     | 3.3   | U     | 3.2   |
| Aldrin                 | 2     | 2.9   | U     | 2.9   | U     | 2.8   | 3.8   | U     | 3.5   | U     | 3.3   | U     | 3.2   |
| Dieldrin               | 2     | 5.6   | U     | 5.6   | U     | 5.4   | 7.3   | U     | 6.9   | U     | 6.7   | U     | 6.5   |
| Endrin                 | 3     | 5.6   | U     | 5.6   | U     | 5.4   | 7.3   | U     | 6.9   | U     | 6.7   | U     | 6.5   |
| 4,4'-DDT               | 7     | 5.6   | UJ    | 5.6   | U     | 5.4   | 7.3   | U     | 6.9   | U     | 6.7   | U     | 6.5   |
| Methoxychlor           | 19    | 29    | U     | 29    | U     | 28    | 38    | U     | 35    | U     | 35    | U     | 32    |
| Aroclor-1016           | 7     | 56    | U     | 56    | U     | 54    | 73    | U     | 69    | U     | 67    | U     | 65    |
| Aroclor-1221           |       | 110   | U     | 110   | U     | 110   | 150   | U     | 140   | U     | 140   | U     | 130   |
| Aroclor-1232           |       | 56    | U     | 56    | U     | 54    | 73    | U     | 69    | U     | 67    | U     | 65    |
| Aroclor-1242           |       | 56    | U     | 56    | U     | 54    | 73    | U     | 69    | U     | 67    | U     | 65    |
| Aroclor-1248           | 30    | 160   | -     | 56    | U     | 280   | 1900  | 1300  | 920   | 700   | 250   | 200   | 55    |
| Aroclor-1254           | 60    | 150   | -     | 100   | U     | 400   | 2900  | 2100  | 1500  | 830   | 380   | 370   | 76    |
| Aroclor-1260           | 5     | 56    | U     | 56    | U     | 54    | 73    | U     | 69    | U     | 67    | U     | 65    |
|                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| <b>Inorganics</b>      |       |       |       |       |       |       |       |       |       |       |       |       |       |
| ALUMINUM               |       | 18700 | 9600  |       | 16700 | 22500 | 21800 | 19800 | 20700 | 18200 | 17800 | 21900 | 22600 |
| ANTIMONY               |       | 1.1   | UJ    | 0.81  | UJ    | 0.92  | UJ    | 1.3   | UJ    | 1.1   | UJ    | 1.1   | UJ    |
| ARSENIC                | 6     | 6.7   | 6.2   |       | 10.7  | 9.3   | 9.6   | 10.1  | 7.9   | 8.0   | 7.8   | 8.3   | 9.7   |
| BARIUM                 |       | 223   | 82.8  |       | 130   | 200   | 207   | 178   | 203   | 173   | 173   | 210   | 206   |
| BERYLLIUM              |       | 1.1   | 0.57  |       | 0.86  | 1.1   | 1.1   | 0.98  | 1.0   | 0.93  | 0.91  | 1.1   | 0.78  |
| CADMIUM                | 0.6   | 9.3   | 1.3   |       | 3.6   | 5.0   | 5.4   | 7.7   | 4.6   | 4.6   | 5.9   | 6.6   | 7.1   |
| CALCIUM                |       | 13300 | 10500 |       | 10600 | 40500 | 36700 | 18700 | 26000 | 28000 | 24700 | 13900 | 20600 |
| CHROMIUM               |       | 41.4  | 16.2  |       | 31.0  | 43.5  | 42.6  | 43.4  | 43.6  | 42.6  | 47.2  | 45.7  | 50.4  |
| COBALT                 | 50    | 9.0   | 7.9   |       | 9.2   | 11.1  | 10.9  | 10.3  | 10.8  | 10.1  | 10.7  | 10.3  | 10.7  |
| COPPER                 | 16    | 42.9  | J     | 16.8  | J     | 32.2  | J     | 48.6  | J     | 48.2  | J     | 47.6  | J     |
| IRON                   | 20000 | 27100 | 21000 |       | 27800 | 36600 | 32200 | 28700 | 29600 | 27800 | 27700 | 29900 | 30600 |
| LEAD                   | 31    | 103   | 26.3  |       | 51.7  | 73.7  | 73.6  | 80.6  | 69.8  | 59.5  | 65.1  | 106   | 78.2  |
| MAGNESIUM              |       | 6810  | 4840  |       | 7240  | 9360  | 9120  | 8050  | 9000  | 9420  | 9300  | 7250  | 8440  |
| MANGANESE              | 460   | 501   | J     | 935   | J     | 621   | J     | 830   | J     | 763   | J     | 486   | J     |
| MERCURY                | 0.2   | 0.37  | 0.070 | U     | 0.17  | 0.20  | 0.17  | 0.34  | 0.25  | 0.25  | 0.28  | 0.64  | 0.27  |
| NICKEL                 | 16    | 31.6  | 19.0  |       | 27.3  | 38.8  | 39.3  | 39.2  | 39.3  | 35.5  | 39.1  | 33.9  | 43.4  |
| POTASSIUM              |       | 2530  | 1440  |       | 2380  | 3510  | 3350  | 2700  | 3140  | 2750  | 2760  | 3080  | 3080  |
| SELENIUM               |       | 1.3   | 0.92  | U     | 1.0   | U     | 1.7   | 1.5   | U     | 1.3   | U     | 1.3   | U     |
| SILVER                 | 0.5   | 1.9   | 1.1   |       | 1.6   | 2.1   | 2.1   | 1.9   | 2.0   | 1.9   | 2.1   | 2.2   | 2.0   |
| SODIUM                 |       | 314   | 219   |       | 278   | 437   | 441   | 346   | 386   | 364   | 362   | 365   | 317   |
| VANADIUM               |       | 37.3  | 22.6  |       | 34.0  | 44.4  | 43.3  | 40.3  | 40.6  | 34.7  | 36.1  | 42.9  | 42.7  |
| ZINC                   | 120   | 916   | 245   |       | 671   | 612   | 630   | 706   | 541   | 445   | 493   | 923   | 619   |
| CYANIDE                | 0.1   | 0.17  | J     | 0.070 | U     | 0.090 | J     | 0.12  | U     | 0.12  | U     | 0.18  | J     |

The Pesticides/PCBs are shown in parts per billion.

The Inorganics are shown in parts per million.

**Table 5**  
**Total PCB and Dioxin Levels in Samples**  
**Collected From Old LaSalle Dump**

|                     | X101 | X102 | X103 | X104 | X105 | X106 | X107 | X108   | X109 | X110 |
|---------------------|------|------|------|------|------|------|------|--------|------|------|
| <b>Total PCBs</b>   | —    | 97   | 10.7 | 1614 | 9.1  | 120  | 35.1 | 141    | 31.1 | 200  |
| <b>Sample Depth</b> | 10'  | 5'   | 9'   | 3'   | 6'   | 3'   | 6'   | 2'     | 8'   | 1'   |
|                     | X111 | X112 | X113 | X114 | X115 | X116 | X117 | X118   | X119 | X120 |
| <b>Total PCBs</b>   | 13.8 | --   | 220  | 49.9 | 0.1  | 0.9  | 1.6  | 0.1    | 0.7  | --   |
| <b>Sample Depth</b> | 12'  | 4'   | 6'   | 6'   | 4'   | 11'  | 4'   | 12'    | 5'   | 6'   |
|                     | X121 | X122 | X123 | X124 | X125 | X126 | X127 | X128   | X129 | X130 |
| <b>Total PCBs</b>   | 14.3 | 27.8 | 260  | 5400 | 21   | 1.5  | 57.8 | --     | --   | 0.25 |
| <b>Sample Depth</b> | 14'  | 10'  | 4'   | 5'   | 9'   | 8'   | 4'   | 10'    | 3'   | 8'   |
|                     | X131 | X132 | X133 | X134 | X135 | X136 | X137 | X138   | X139 | X140 |
| <b>Total PCBs</b>   | 2.5  | 3.4  | 3.4  | 3.7  | --   | 7    | 3.5  | 0.2    | --   | 28   |
| <b>Sample Depth</b> | 1'   | 15'  | 10'  | 9'   | 3'   | 3.5' | 3.5' | 16'    | 12'  | 3'   |
|                     | X141 | X142 | X143 | X144 | X145 | X146 | X147 | X148   | X149 | X150 |
| <b>Total PCBs</b>   | 0.4  | 1.8  | 3.2  | 74.3 | 0.4  | 4.2  | 4.2  | 52     | 4.6  | 86   |
| <b>Dioxins</b>      |      |      |      | 1.36 |      | 5.23 |      | 282.31 |      | 1.72 |
| <b>Sample Depth</b> | 13'  | 5'   | 17'  | 5'   | 14'  | 4'   | 11'  | 5'     | 10'  | 4.5' |
|                     | X151 | X152 | X153 | X154 | X155 | X156 | X157 |        |      |      |
| <b>Total PCBs</b>   | 7.8  | 3420 | 2921 | 187  | 0.1  | 0.6  | --   |        |      |      |
| <b>Dioxins</b>      |      | 0.93 | 1.88 |      |      |      |      |        |      |      |
| <b>Sample Depth</b> | 5.5' | 3.5' | 5'   | 13'  | 6"   | 6"   | 6"   |        |      |      |

All PCB levels shown in parts per million.

All dioxin levels shown are Total Toxicity Equivalence levels and are shown in parts per billion.

**Table 6**  
**PCB Results from Sediment Samples Collected from Huse Lake**

|                   | X201<br>shallow | X202<br>shallow | X203<br>shallow | X204<br>shallow | X205<br>shallow | X206<br>shallow | X207<br>shallow | X208<br>shallow | X209<br>shallow | X210<br>shallow |                 |
|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Total PCBs</b> | 8.4             | 8.7             | 26              | 25              | 14.3            | 5.6             | 5.6             | 1.8             | 0.8             | 1.2             |                 |
|                   | X211<br>shallow | X212<br>deep    | X213<br>deep    | X214<br>deep    | X215<br>deep    | X216<br>deep    | X217<br>shallow | X218<br>shallow | X219<br>shallow | X220<br>shallow |                 |
| <b>Total PCBs</b> | 1.7             | 9.3             | 6.1             | 0.8             | 1.3             | 0.7             | 1.7             | 2.1             | 4.5             | 2.2             |                 |
|                   | X221<br>shallow | X222<br>shallow | X223<br>shallow | X224<br>shallow | X225<br>shallow | X226<br>shallow | X227<br>shallow | X228<br>shallow | X229<br>deep    | X230<br>deep    |                 |
| <b>Total PCBs</b> | 2.7             | 2.6             | 0.7             | 2.6             | 0.7             | 0.8             | 1.8             | 0.6             | 0.3             | 0.2             |                 |
|                   | X231<br>deep    | X232<br>shallow | X233<br>shallow | X234<br>shallow | X235<br>shallow | X236<br>shallow | X237<br>deep    | X238<br>deep    | X239<br>deep    | X241<br>shallow | X242<br>shallow |
| <b>Total PCBs</b> | 0.7             | 4.1             | 3.4             | 2.4             | 1.5             | 0.6             | 0.6             | 0.08            | 0.6             | 0.2             | 0.1             |

All concentrations shown in parts per million.

Shallow samples collected from depth of approximately 0 to 1 foot in sediment.

Deep samples collected from depth of approximately 2.5 to 3.5 feet in sediment.

## **Appendix C**

### **Target Compound List**

## TARGET COMPOUND LIST

### Volatile Target Compounds

|                            |                           |
|----------------------------|---------------------------|
| Chloromethane              | 1,2-Dichloropropane       |
| Bromomethane               | cis-1,3-Dichloropropene   |
| Vinyl Chloride             | Trichloroethene           |
| Chloroethane               | Dibromochloromethane      |
| Methylene Chloride         | 1,1,2-Trichloroethane     |
| Acetone                    | Benzene                   |
| Carbon Disulfide           | trans-1,3-Dichloropropene |
| 1,1-Dichloroethene         | Bromoform                 |
| 1,1-Dichloroethane         | 4-Methyl-2-pentanone      |
| 1,2-Dichloroethene (total) | 2-Hexanone                |
| Chloroform                 | Tetrachloroethene         |
| 1,2-Dichloroethane         | 1,1,2,2-Tetrachloroethane |
| 2-Butanone                 | Toluene                   |
| 1,1,1-Trichloroethane      | Chlorobenzene             |
| Carbon Tetrachloride       | Ethylbenzene              |
| Vinyl Acetate              | Styrene                   |
| Bromodichloromethane       | Xylenes (total)           |

### Base/Neutral Target Compounds

|                               |                           |
|-------------------------------|---------------------------|
| Hexachloroethane              | 2,4-Dinitrotoluene        |
| bis(2-Chloroethyl) Ether      | Diethylphthalate          |
| Benzyl Alcohol                | N-Nitrosodiphenylamine    |
| bis (2-Chloroisopropyl) Ether | Hexachlorobenzene         |
| N-Nitroso-Di-n-Propylamine    | Phenanthrene              |
| Nitrobenzene                  | 4-Bromophenyl-phenylether |

|                            |                            |
|----------------------------|----------------------------|
| Hexachlorobutadiene        | Anthracene                 |
| 2-Methylnaphthalene        | Di-n-Butylphthalate        |
| 1,2,4-Trichlorobenzene     | Fluoranthene               |
| Isophorone                 | Pyrene                     |
| Naphthalene                | Butylbenzylphthalate       |
| 4-Chloroaniline            | bis(2-Ethylhexyl)Phthalate |
| bis(2-chloroethoxy)Methane | Chrysene                   |
| Hexachlorocyclopentadiene  | Benzo(a)Anthracene         |
| 2-Chloronaphthalene        | 3-3'-Dichlorobenzidene     |
| 2-Nitroaniline             | Di-n-Octyl Phthalate       |
| Acenaphthylene             | Benzo(b)Fluoranthene       |
| 3-Nitroaniline             | Benzo(k)Fluoranthene       |
| Acenaphthene               | Benzo(a)Pyrene             |
| Dibenzofuran               | Indeno(1,2,3-cd)Pyrene     |
| Dimethyl Phthalate         | Dibenz(a,h)Anthracene      |
| 2,6-Dinitrotoluene         | Benzo(g,h,i)Perylene       |
| Fluorene                   | 1,2-Dichlorobenzene        |
| 4-Nitroaniline             | 1,3-Dichlorobenzene        |
| 4-Chlorophenyl-phenylether | 1,4-Dichlorobenzene        |

### Acid Target Compounds

|                    |                            |
|--------------------|----------------------------|
| Benzoic Acid       | 2,4,6-Trichlorophenol      |
| Phenol             | 2,4,5-Trichlorophenol      |
| 2-Chlorophenol     | 4-Chloro-3-methylphenol    |
| 2-Nitrophenol      | 2,4-Dinitrophenol          |
| 2-Methylphenol     | 2-Methyl-4,6-dinitrophenol |
| 2,4-Dimethylphenol | Pentachlorophenol          |
| 4-Methylphenol     | 4-Nitrophenol              |
| 2,4-Dichlorophenol |                            |

### Pesticide/PCB Target Compounds

|                     |                    |
|---------------------|--------------------|
| alpha-BHC           | Endrin Ketone      |
| beta-BHC            | Endosulfan Sulfate |
| delta-BHC           | Methoxychlor       |
| gamma-BHC (Lindane) | alpha-Chlordane    |
| Heptachlor          | gamma-Chlordane    |
| Aldrin              | Toxaphene          |
| Heptachlor epoxide  | Aroclor-1016       |
| Endosulfan I        | Aroclor-1221       |
| 4,4'-DDE            | Aroclor-1232       |
| Dieldrin            | Aroclor-1242       |
| Endrin              | Aroclor-1248       |
| 4,4'-DDD            | Aroclor-1254       |
| Endosulfan II       | Aroclor-1260       |
| 4,4'-DDT            |                    |

### Inorganic Target Compounds

|           |           |
|-----------|-----------|
| Aluminum  | Manganese |
| Antimony  | Mercury   |
| Arsenic   | Nickel    |
| Barium    | Potassium |
| Beryllium | Selenium  |
| Cadmium   | Silver    |
| Calcium   | Sodium    |
| Chromium  | Thallium  |
| Cobolt    | Vanadium  |
| Copper    | Zinc      |

|           |         |
|-----------|---------|
| Iron      | Cyanide |
| Lead      | Sulfide |
| Magnesium |         |